

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
**August
2011**

Edmund G. Brown Jr.
Governor
State of California

John Laird
Secretary for Resources
The Resources Agency

Mark Cowin
Director
Department of Water Resources

This monthly report of operational data for the State Water Project has been published since January 1965. Monthly SWP Operations Data Reports from January 1990 have been made available on the Internet at <http://www.water.ca.gov/swp/operationscontrol/projectwide.cfm>. It provides the State Water Service Contractors, public agencies, consultants and others with the daily and monthly status of the Project's water and power operations.

Revisions to these data will appear in the Annual Report of Operations reflecting corrections made after the monthly summaries have been printed.

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The organization shown above represents staff and positions relevant to this report as of publication date on October 2013. It is the Department's policy to not show staff in "Acting" or "Temporary" positions.

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MONTHLY HIGHLIGHTS

The following activities highlight actions that affected State Water Project operations during August 2011:

Statewide precipitation was about 140 percent of average for the 2010 - 2011 water-year through August 31. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available on the internet at:
[“http://cdec.water.ca.gov/snow_rain.html”](http://cdec.water.ca.gov/snow_rain.html).

Snowpack data is compiled four times annually, for the months of January, February, March, and April, by the California Department of Water Resources in Bulletin 120. The Bulletin also contains forecasts of seasonal runoff volume from the state's major watersheds, summaries of precipitation, and reservoir storages in various regions of the State.

August snowpack data is not available.

Cumulative unimpaired runoff for the Sacramento River Region for the 2010 - 2011 water-year was 24.8 maf, 139 percent of average. Statewide runoff for the 2010 - 2011 water-year was 145 percent of average.

Statewide reservoir storage was 130 percent of average to date. Total storage in major SWP reservoirs at the end of August was about 4.76 maf compared to 3.07 maf at this time in 2010. On August 31, end-of-month storage at Lake Oroville was about 3.31 maf, as compared to 2.04 maf at this time in 2010. The State share of San Luis Reservoir's end-of-month storage was about 848 taf, as compared with 473 taf at this time in 2010. The combined storage in SWP's southern reservoirs was about 602 taf, compared with about 557 taf at this time in 2010.

SWP water deliveries to date through August were about 3.4 maf. Water deliveries are a combination of project, transfer, and exchange classifications. Total deliveries through this same period in 2010 were 2.31 maf.

COA accounting remained suspended at zero in August. Conditions in the Delta remained in “Excess”. Excess conditions exist when upstream reservoir releases plus unregulated natural flow exceed Sacramento Valley in-basin uses, plus exports.

There were six measurable earthquakes in August within the vicinity of the SWP; no facilities were found to meet inspection criteria. Spill at Lake Oroville continued as Unit 1 remained out of service. Water surface elevation at Lake Oroville dropped 12 feet through the month. Inflows to the Forebay and Afterbay forced releases to the Feather River to increase from about 2,000 to about 5,000 CFS for storage management. On August 30, Badger Hill Units 2, 4, and 6 were forced out of service to pond weed issues.

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

August 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Jul 31	5002.00	22,564								
1	5001.97	22,536	-28	20	0	0	0	10	30	
2	5001.95	22,518	-18	20	0	0	0	10	30	
3	5001.91	22,481	-37	20	0	0	0	10	30	
4	5001.88	22,453	-28	20	0	0	0	10	30	
5	5001.85	22,425	-28	20	0	0	0	10	30	
6	5001.83	22,407	-18	20	0	0	0	10	30	
7	5001.80	22,379	-28	20	0	0	0	10	30	
8	5001.77	22,351	-28	20	0	0	0	10	30	
9	5001.75	22,333	-18	20	0	0	0	10	30	
10	5001.71	22,296	-37	20	0	0	0	10	30	
11	5001.69	22,278	-18	20	0	0	0	10	30	
12	5001.65	22,241	-37	20	0	0	0	10	30	
13	5001.63	22,222	-19	20	0	0	0	10	30	
14	5001.60	22,195	-27	20	0	0	0	10	30	
15	5001.57	22,167	-28	20	0	0	0	10	30	
16	5001.51	22,112	-55	20	0	0	0	10	30	
17	5001.47	22,075	-37	20	0	0	0	10	30	
18	5001.45	22,057	-18	20	0	0	0	10	30	
19	5001.41	22,021	-36	20	0	0	0	10	30	
20	5001.38	21,993	-28	20	0	0	0	10	30	
21	5001.34	21,957	-36	20	0	0	0	10	30	
22	5001.31	21,929	-28	20	0	0	0	10	30	
23	5001.27	21,893	-36	20	0	0	0	10	30	
24	5001.24	21,865	-28	20	0	0	0	10	30	
25	5001.20	21,829	-36	20	0	0	0	10	30	
26	5001.18	21,811	-18	20	0	0	0	9	29	
27	5001.13	21,765	-46	20	0	0	0	9	29	
28	5001.09	21,729	-36	20	0	0	0	9	29	
29	5001.05	21,693	-36	20	0	0	0	9	29	
30	5001.01	21,656	-37	20	0	0	0	9	29	
31	5000.96	21,611	-45	20	0	0	0	9	29	
Total cfs-days				- - -	620	0	0	304	924	
Total ac-ft				-953	1,230	0	0	602	1,832	
1/ Values not available on a daily basis.										

Table 2. Frenchman Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 55,477 ac-ft

August 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	1/ Water Supply Contract	Water Right					
Jul 31	5586.03	52,419									
1	5585.96	52,313	-106	0	50	0	0	18	68	15	
2	5585.81	52,085	-228	0	55	0	0	18	73	-42	
3	5585.72	51,948	-137	0	66	0	0	18	84	15	
4	5585.60	51,767	-181	0	66	0	0	18	84	-7	
5	5585.49	51,600	-167	0	60	0	0	18	78	-6	
6	5585.40	51,465	-135	0	60	0	0	17	77	9	
7	5585.34	51,374	-91	0	60	0	0	17	77	31	
8	5585.21	51,179	-195	0	65	0	0	17	82	-16	
9	5585.11	51,029	-150	0	65	0	0	17	82	6	
10	5584.98	50,835	-194	0	72	0	0	17	89	-9	
11	5584.86	50,655	-180	0	74	0	0	17	91	0	
12	5584.73	50,462	-193	0	79	0	0	17	96	-1	
13	5584.61	50,283	-179	0	79	0	0	17	96	6	
14	5584.48	50,091	-192	0	79	0	0	17	96	-1	
15	5584.36	49,913	-178	0	71	0	0	17	88	-2	
16	5584.26	49,765	-148	0	68	0	0	17	85	10	
17	5584.15	49,603	-162	0	67	0	0	17	84	2	
18	5584.02	49,412	-191	0	68	0	0	17	85	-11	
19	5583.92	49,265	-147	0	58	0	0	17	75	1	
20	5583.83	49,134	-131	0	48	0	0	17	65	-1	
21	5583.75	49,017	-117	0	48	0	0	17	65	6	
22	5583.66	48,885	-132	0	53	0	0	17	70	3	
23	5583.55	48,725	-160	0	58	0	0	17	75	-6	
24	5583.43	48,550	-175	0	70	0	0	17	87	-1	
25	5583.33	48,405	-145	0	75	0	0	17	92	19	
26	5583.21	48,231	-174	0	72	0	0	17	89	1	
27	5583.10	48,072	-159	0	60	0	0	17	77	-3	
28	5583.02	47,956	-116	0	60	0	0	17	77	19	
29	5582.90	47,784	-172	0	60	0	0	17	77	-10	
30	5582.78	47,611	-173	0	65	0	0	17	82	-5	
31	5582.66	47,439	-172	0	70	0	0	17	87	0	
Total cfs-days				---	0	2,001	0	0	532	2,533	
Total ac-ft				-4,980	0	3,969	0	0	1,056	5,025	

1/ Last Chance Creek Water District.

Table 3. Lake Davis

Daily Operation

(in acre-feet except as noted)

Capacity: 84,371 ac-ft

August 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Right 1/	Water Supply Contract 2/					
Jul 31	5771.75	71,831									
1	5771.75	71,831	0	14	2	1.0	0	40	57	57	
2	5771.75	71,831	0	14	2	1.0	0	40	57	57	
3	5771.75	71,831	0	14	2	1.0	0	40	57	57	
4	5771.75	71,831	0	14	2	1.0	0	40	57	57	
5	5771.53	71,021	-810	14	2	1.0	0	40	57	-351	
6	5771.50	70,911	-110	14	2	1.0	0	40	57	2	
7	5771.48	70,838	-73	14	2	1.0	0	40	57	20	
8	5771.45	70,728	-110	14	2	1.0	0	40	57	2	
9	5771.43	70,654	-74	14	2	1.0	0	40	57	20	
10	5771.42	70,618	-36	14	2	1.0	0	40	57	39	
11	5771.39	70,508	-110	14	2	1.0	0	40	57	2	
12	5771.36	70,398	-110	14	2	1.0	0	40	57	2	
13	5771.33	70,289	-109	14	2	1.0	0	40	57	2	
14	5771.31	70,216	-73	14	2	1.0	0	40	57	20	
15	5771.29	70,143	-73	14	2	1.0	0	40	57	20	
16	5771.25	69,997	-146	14	2	1.0	0	40	57	-17	
17	5771.22	69,888	-109	14	2	1.0	0	40	57	2	
18	5771.19	69,778	-110	15	2	1.0	0	40	57	2	
19	5771.17	69,706	-72	15	2	1.0	0	40	57	21	
20	5771.12	69,524	-182	15	2	1.0	0	40	57	-34	
21	5771.11	69,488	-36	15	2	1.0	0	40	57	39	
22	5771.09	69,415	-73	15	2	1.0	0	40	57	21	
23	5771.05	69,270	-145	15	2	1.0	0	40	57	-16	
24	5771.02	69,162	-108	14	2	1.0	0	40	57	3	
25	5770.98	69,017	-145	14	2	1.0	0	40	57	-16	
26	5770.96	68,944	-73	14	2	1.0	0	40	57	20	
27	5770.92	68,800	-144	14	2	1.0	0	40	57	-16	
28	5770.90	68,728	-72	14	2	1.0	0	40	57	21	
29	5770.88	68,656	-72	14	2	1.0	0	40	57	21	
30	5770.85	68,548	-108	14	2	1.0	0	40	57	3	
31	5770.82	68,440	-108	14	2	1.0	0	40	57	3	
Total cfs-days				---	432	66	31	0	1,241	1,771	
Total ac-ft				-3,391	857	131	61	0	2,462	3,512	
										121	

1/ Includes unclassified non-project diversions to local agencies (Valberti and Romelli).

2/ Includes 61 AF to Grizzly Ranch and 0 AF to Plumas County.

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537,580 ac-ft

August 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow							Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal 2/	Lime Saddle Marina	Butte County Del Oro	Evaporation 3/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 4/
Jul 31	897.69	3,501,203										
	1	897.46	3,497,596	-3,607	7,022	26	0	0	362	3,828	11,238	0
	2	897.13	3,492,425	-5,171	5,953	26	0	0	391	4,462	10,832	0
	3	896.68	3,485,383	-7,042	3,604	26	0	0	422	5,156	9,208	0
	4	896.34	3,480,069	-5,314	4,004	26	0	0	371	5,355	9,756	0
	5	895.94	3,473,825	-6,244	5,417	26	0	0	300	3,862	9,605	0
	6	895.50	3,466,966	-6,859	6,798	26	0	0	290	1,884	8,998	0
	7	895.24	3,462,917	-4,049	6,784	26	0	0	280	1,884	8,974	0
	8	894.76	3,455,451	-7,466	5,470	26	0	0	529	3,112	9,137	0
	9	894.49	3,451,257	-4,194	6,852	26	0	0	399	2,087	9,364	0
	10	894.20	3,446,756	-4,501	6,831	26	0	0	399	2,579	9,835	0
	11	893.68	3,438,695	-8,061	6,982	26	0	0	378	2,579	9,965	0
	12	893.46	3,435,289	-3,406	7,012	26	0	0	287	2,579	9,904	0
	13	893.28	3,432,504	-2,785	6,978	26	0	0	287	2,579	9,870	0
	14	893.02	3,428,484	-4,020	6,935	26	0	0	287	2,579	9,827	0
	15	892.84	3,425,703	-2,781	6,930	26	0	0	604	2,579	10,139	0
	16	892.65	3,422,770	-2,933	7,004	26	0	0	379	2,579	9,988	0
	17	892.32	3,417,678	-5,092	7,162	26	0	0	445	2,579	10,212	0
	18	891.80	3,409,667	-8,011	7,048	26	0	0	375	4,187	11,636	0
	19	891.26	3,401,361	-8,306	6,784	26	0	0	344	3,908	11,062	0
	20	890.85	3,395,065	-6,296	7,110	26	0	0	364	5,388	12,888	0
	21	890.40	3,388,163	-6,902	7,120	26	0	0	374	5,818	13,338	0
	22	889.93	3,380,966	-7,197	7,139	26	0	0	176	5,983	13,324	0
	23	889.47	3,373,933	-7,033	6,131	26	0	0	284	7,016	13,457	0
	24	889.02	3,367,063	-6,870	7,179	26	0	0	362	6,373	13,940	0
	25	888.56	3,360,050	-7,013	7,111	26	0	1	420	4,576	12,134	0
	26	888.07	3,352,592	-7,458	7,024	26	0	1	321	5,377	12,749	0
	27	887.47	3,343,475	-9,117	6,962	26	0	1	302	7,624	14,915	0
	28	886.87	3,334,376	-9,099	6,892	26	0	1	292	7,577	14,788	0
	29	886.40	3,327,261	-7,115	7,104	26	0	1	535	5,713	13,379	0
	30	885.86	3,319,100	-8,161	6,899	25	0	1	339	7,537	14,801	0
	31	885.33	3,311,103	-7,997	7,939	24	0	1	319	4,397	12,680	0
Total				-190,100	206,180	800	0	7	11,217	133,736	351,943	0
												161,843

1/ Includes bypass flows

2/ South Feather Water and Power Agency

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

4/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Daily Operation

(in acre-feet except as noted)

August 2011

Capacity: 25,120 ac-ft

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County Cal Water	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback	
Jul 31	24,052										
1	24,217	165	10,850	312	0	9,908	9	10	1,375	0	305
2	24,253	36	10,415	378	0	9,479	9	10	1,369	0	110
3	23,971	-282	8,760	426	0	7,106	9	10	1,373	0	-970
4	24,426	455	9,359	445	0	7,090	9	10	1,373	0	-867
5	24,974	548	9,279	374	0	7,794	9	10	1,377	0	85
6	24,672	-302	8,682	427	0	8,819	9	10	1,377	0	804
7	24,474	-198	8,668	451	0	8,809	9	10	1,375	0	886
8	24,180	-294	8,582	387	0	8,666	9	10	1,375	0	797
9	23,887	-293	8,939	93	0	8,697	9	10	1,377	0	768
10	23,842	-45	9,410	40	0	8,709	9	10	1,373	0	606
11	23,606	-236	9,561	20	0	8,857	9	10	1,377	0	436
12	24,014	408	9,591	244	0	8,607	9	10	1,379	0	578
13	24,195	181	9,557	352	0	8,865	9	10	1,375	0	531
14	24,189	-6	9,514	478	0	9,049	9	10	1,375	0	445
15	24,183	-6	9,509	477	0	9,035	9	10	1,377	0	439
16	24,247	64	9,583	477	0	8,787	9	10	1,388	0	198
17	24,270	23	9,741	476	0	9,038	9	10	1,470	0	333
18	24,351	81	11,235	479	0	10,437	9	10	1,476	0	299
19	24,320	-31	10,692	482	0	10,220	9	10	1,392	0	426
20	24,172	-148	12,498	481	0	11,858	9	10	1,396	0	146
21	24,048	-124	12,938	480	0	12,535	9	10	1,396	0	408
22	24,141	93	13,122	485	0	10,888	9	10	1,392	0	-1,215
23	23,036	-1,105	13,147	486	0	13,410	9	10	1,390	0	81
24	23,973	937	13,552	485	0	11,936	9	10	1,392	0	247
25	24,509	536	11,687	486	0	10,594	9	10	1,388	0	364
26	23,467	-1,042	12,401	485	0	12,594	9	10	1,394	0	79
27	23,852	385	14,586	485	0	13,782	9	10	1,390	0	505
28	23,864	12	14,469	482	0	14,156	9	10	1,394	0	630
29	23,694	-170	12,817	482	0	12,342	9	10	1,398	0	290
30	23,590	-104	14,436	486	0	13,804	9	10	1,400	0	197
31	24,528	938	12,336	374	0	9,427	11	1	1,402	0	-931
Total		476	339,916	12,515	0	315,298	281	301	43,085	0	7,010

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

August 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Jul 31	134.04	46,878										
	1	134.33	48,030	1,152	9,908	2,975	36	815	2,083	2,539	0	-308
	2	134.59	49,073	1,043	9,479	2,995	36	813	2,063	2,539	0	10
	3	134.50	48,711	-362	7,106	2,995	36	811	2,043	2,539	0	956
	4	134.31	47,950	-761	7,090	2,955	32	815	2,043	2,519	0	513
	5	134.16	47,353	-597	7,794	2,955	28	810	2,003	2,539	0	-55
	6	134.16	47,353	0	8,819	2,955	28	810	1,948	2,539	0	-539
	7	134.10	47,116	-237	8,809	2,975	28	810	1,924	2,539	0	-770
	8	134.01	46,760	-356	8,666	2,995	28	791	1,898	2,539	0	-771
	9	133.95	46,523	-237	8,697	2,995	28	772	1,865	2,539	0	-736
	10	133.92	46,405	-118	8,709	3,015	28	764	1,853	2,539	0	-629
	11	133.92	46,405	0	8,857	3,015	28	742	1,821	2,539	0	-712
	12	133.77	45,815	-590	8,607	3,055	28	734	1,793	2,936	0	-652
	13	133.46	44,607	-1,208	8,865	3,055	28	734	1,775	3,729	0	-752
	14	133.26	43,836	-771	9,049	3,035	28	734	1,767	3,709	0	-547
	15	133.05	43,032	-804	9,035	2,995	28	732	1,748	3,709	0	-627
	16	132.90	42,463	-569	8,787	2,995	28	734	1,736	3,709	0	-154
	17	132.66	41,559	-904	9,038	2,995	28	734	1,734	3,590	0	-861
	18	132.91	42,501	942	10,437	2,995	28	734	1,736	3,610	0	-392
	19	132.91	42,501	0	10,220	2,975	28	732	1,728	4,483	0	-274
	20	133.06	43,070	569	11,858	2,955	28	730	1,702	5,693	0	-181
	21	133.32	44,066	996	12,535	2,955	28	730	1,686	5,732	0	-407
	22	133.56	44,995	929	10,888	2,936	28	734	1,654	5,712	0	1,105
	23	134.15	47,314	2,319	13,410	2,916	28	722	1,571	5,712	0	-142
	24	134.37	48,190	876	11,936	2,916	28	688	1,498	5,712	0	-218
	25	134.06	46,957	-1,233	10,594	2,936	28	674	1,468	6,446	0	-275
	26	133.85	46,129	-828	12,594	2,936	28	674	1,444	8,172	0	-168
	27	133.71	45,580	-549	13,782	2,856	28	674	1,398	8,688	0	-687
	28	133.64	45,306	-274	14,156	2,836	28	674	1,398	8,688	0	-805
	29	133.19	43,567	-1,739	12,342	2,797	28	672	1,341	8,688	0	-556
	30	133.18	43,529	-38	13,804	2,698	24	641	1,258	8,668	0	-554
	31	132.42	40,664	-2,865	9,427	2,678	22	551	1,162	8,688	0	809
Total				-6,214	315,298	91,340	890	22,790	53,140	143,980	0	-9,372
												187,067

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

Table 7. Oroville-Thermalito Complex

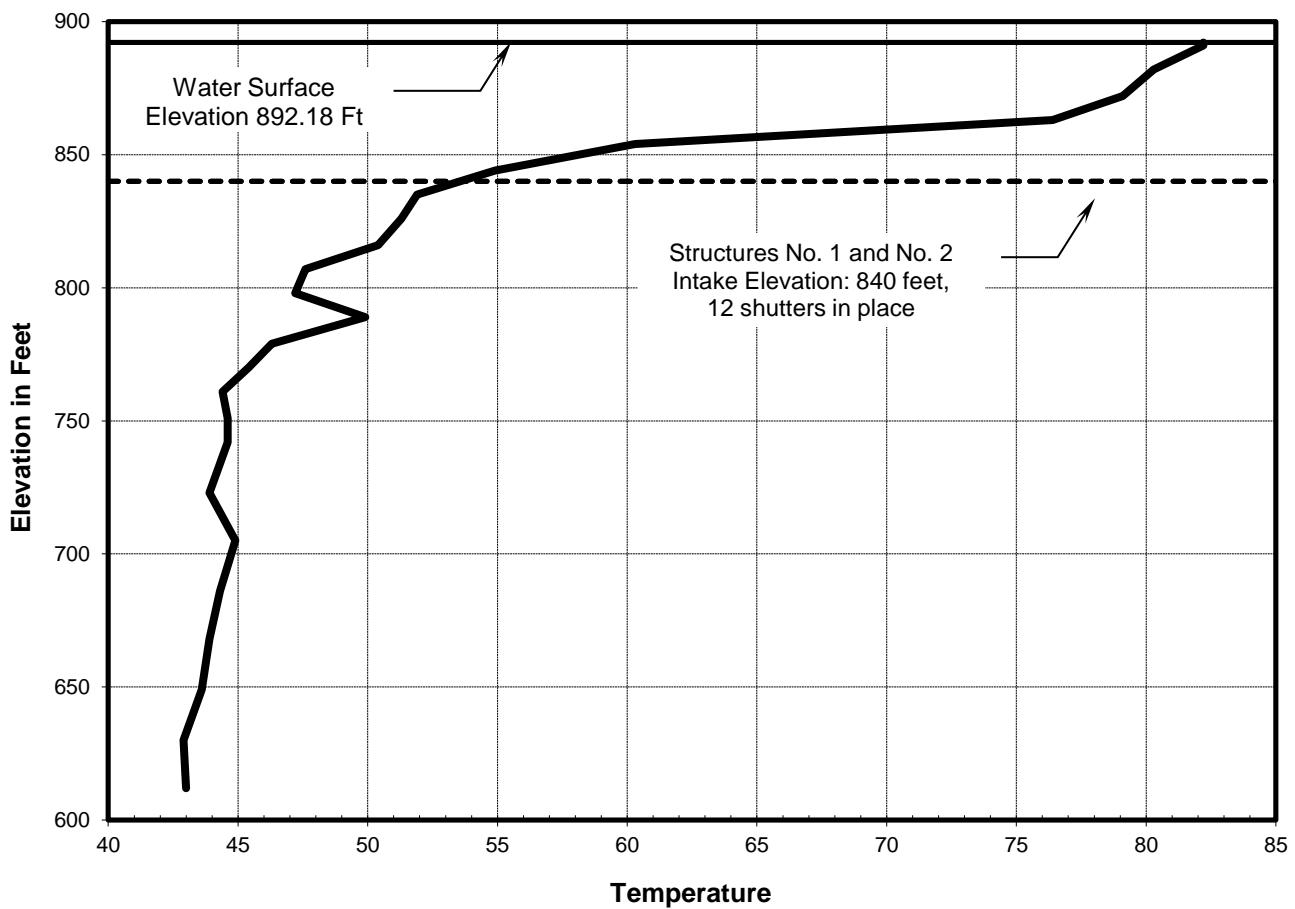
Water Temperature Data

(in degrees Fahrenheit)

August 2011

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	64	58
2	64.4	58
3	64.6	58
4	64	58
5	62.4	58
6	65.4	58
7	65.1	58
8	65.2	59
9	65.3	59
10	64.8	59
11	65.1	59
12	65.7	59
13	67.1	59
14	66.2	60
15	67.2	60
16	68.2	60
17	60.1	60
18	67.6	60
19	67	60
20	67.7	60
21	67.8	58
22	68	58
23	67.9	59
24	66.6	59
25	65.9	59
26	67	59
27	66.8	60
28	66.7	60
29	66.2	60
30	65.6	60
31	65.7	58

**Lake Oroville Temperature Profile
on August 18, 2011**



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

August 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		No.			Table A	Permit	Article 21	Pool B	Other	
	No.	Structure	Mile								
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	5,851	132	200	215	1,185		
		Travis Surge Tank	8.78								
			8.80	Solano County Water Agency Travis AFB	332						
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	316						
				Solano County Water Agency Fairfield / Vacaville 42"	2,086						
			17.00	Solano County Water Agency Central Solano	Stub	901	34	300	770		
		Cordelia Forebay	21.23								
3A	2	Cordelia Pumping Plant & Cordelia Spillway	21.30		3,099						
		Napa Pipeline	21.33	Solano County Water Agency Vallejo	434	1/ 100	34	300	770		
				Solano County Water Agency Benicia	1,170						
		Cordelia Surge Tank	23.33			400	6	1,274	3/ 200		
		Creston Surge Tank Connection	25.65								
			26.95	Napa County Flood Control & WCD American Canyon 2	6						
			27.27	Napa County Flood Control & WCD American Canyon 3	0						
3B	2	Napa Terminal Tank	27.58	City of Napa	1,274						
			27.60	Napa County Flood Control & WCD American Canyon 1	313						

1/ Includes 20 AF of Napa Co. FC&WCD Table A through Solano's Co.'s turnout for delivery to American Canyon.

Table 9. Delta Field Division Plant Data

(in acre-feet)

August 2011

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	210	123	14,081	14,081	539	0	0	9
2	198	110	14,678	14,678	539	0	0	0
3	202	113	14,576	14,576	539	0	0	12
4	203	106	14,794	14,794	520	0	0	10
5	184	89	15,097	15,097	548	0	0	12
6	189	94	13,874	13,874	507	0	0	28
7	185	90	14,069	14,069	517	0	0	0
8	206	110	14,759	14,759	531	0	0	0
9	206	107	14,019	14,019	551	0	0	0
10	211	116	14,019	14,019	522	0	0	0
11	202	107	14,016	14,016	543	0	0	0
12	187	98	14,016	14,016	543	0	0	0
13	180	90	14,016	14,016	535	0	0	0
14	207	114	14,018	14,018	397	0	0	0
15	183	90	14,015	14,015	522	0	0	0
16	182	89	14,051	14,051	499	0	0	0
17	202	108	14,072	14,072	536	0	0	0
18	189	94	14,067	14,067	511	0	0	0
19	175	78	14,003	14,003	540	0	0	7
20	150	59	13,960	13,960	532	0	0	0
21	183	90	14,002	14,002	517	0	0	0
22	187	96	14,016	14,016	521	0	0	0
23	204	113	14,570	14,570	549	0	0	0
24	217	116	14,351	14,351	548	0	0	0
25	202	114	14,056	14,056	548	0	0	0
26	204	124	14,025	14,025	544	0	0	0
27	195	119	14,016	14,016	528	0	0	0
28	215	119	14,016	14,016	539	0	0	0
29	200	113	14,016	14,016	532	0	0	0
30	193	110	14,016	14,016	529	0	0	0
31	0	0	0	0	0	0	0	0
Total	5,851	3,099	425,284	425,284	15,826	0	0	78

Table 10. Clifton Court Forebay

Daily Operation of Gates

August 2011

Date	Time										Amount of inflow in Acre-Feet
	Opened	Closed									
1	00:30	05:45	08:50	14:30	17:30						14,223
2		06:45	09:15	15:00	18:00						14,217
3		03:30	10:00	15:45	18:45						14,230
4		04:29	06:30	08:30	11:00	16:13	19:30				14,206
5		05:15	08:45	17:45	18:43	21:15					14,233
6	00:30	06:45	09:45	22:15							14,222
7	01:30	08:00	11:00	20:20							14,233
8	02:30	09:15	12:15	20:00							14,229
9	00:01	00:45	03:30	10:15	15:15	20:00					14,238
10	00:01	01:45	04:30	11:15	14:15						14,236
11		02:45	05:15	12:00	15:00						14,236
12		03:45	06:15	12:30	15:30						14,223
13		04:30	07:00	13:15	19:20						14,224
14		05:15	07:45	13:45	16:45						14,228
15		06:00	08:30	14:15	17:15						14,219
16		06:30	09:00	14:55	17:45						14,218
17		07:15	09:45	15:15	18:15						14,236
18		04:00	07:00	19:45	22:45						14,223
19		04:45	07:45	20:30	23:30						14,224
20		05:25	08:45	20:30							14,227
21	00:01	05:46	09:45	21:30							14,217
22	01:00	07:45	10:45	20:45							14,227
23	01:45	09:00	12:00	22:45							14,226
24	02:45	09:45	12:45	20:15							14,236
25	00:01	02:30	04:45	11:15	14:59	21:00					14,220
26	00:01	02:30	04:45	11:15	14:59	21:00					14,228
27	00:01	03:30	05:45	11:27	15:00	20:30					14,224
28	00:01	04:00	06:30	12:30	15:30	21:00					14,223
29	00:01	04:45	07:15	13:15	16:15	22:00					14,233
30	00:01	05:30	08:15	13:56	17:00	21:15					9,442
31	00:01	06:15	09:15	14:30	17:30	22:20					9,573
Total inflow for the month in AF:											431,575

Table 11. Governor Edmund G. Brown California Aqueduct

Delta Field Division, Monthly Deliveries

(In acre-feet)

August 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending		No.			Table A	USBR	Local Other	Pool A	Other			
	No.	Structure											
1A			1.83	Byron-Bethany I.D.	3,315			3,315					
1	1	Banks Pumping Plant	3.32		425,284								
		South Bay Pumping Plant	4.49	Bethany Reservoir (Into the South Bay Aquaduct)	15,826								
		Check No. 1	5.95										
			8.08	Alameda Co. Zone 7 WA Mountain House Golf Course	0								
	2	Check No. 2	12.01										
			12.47	Musco Olive	51								
		Check No. 3	18.29										
	3		22.16	Tracy Golf & Country Club	0								
		Check No. 4	23.99										
2A	4	Check No. 5	29.73										
	5	Check No. 6	34.24										
	6		35.22	Turlock Fruit Company Inflow	0								
		Check No. 7	39.91										
	7		42.46	Oak Flat Water District-A	90		90						
			42.9	Western Hills WD	163								
			43.81	Oak Flat Water District-B	367								
			44.64	Oak Flat Water District-C	32								
		Check No. 8	45.97										
2B	8		46.18	Oak Flat Water District-D	82	82	571	0	0	0			
				Oak Flat Totals:	571								
	9	Check No. 9	51.3				571						
		Check No. 10	56.86										
	10	Check No. 11	61.4				45	0	0	0			
	11		66.14	Veteran's Cemetery	45								
		Check No. 12	66.71		395,217								

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

August 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries								
	Beginning and Ending		No.	Structure	Mile		Table A	Local	Article 56C	Pool A	Other	Recreation		
1	1	South Bay Pumping Plant	0.00		(into South Bay Aqueduct)	15,826	6	339	1,340	244	189	28		
			3.17		Granite - Vasco Rd. (Temp.)	0								
			3.18		Oakland Scavenger Zone 7	6								
		Check No. 1	3.91											
	2	Check No. 2	5.21											
			7.21		Zone 7 Water Agency Altamont	339								
		Check No. 3	9.49		Zone 7 Water Agency Patterson	0								
2	3				Storage Exchange Project Water	1,340								
		4	Check No. 4	10.68										
		5	Check No. 5	12.29										
		6		13.55	Zone 7 Water Agency Wente #1	244								
				14.16	Zone 7 Water Agency Wente #2	189								
				14.31	Zone 7 Water Agency Ising	28								
			Check No. 6	14.65										
		7		14.78	Zone 7 Water Agency Arroyo Mocho Project Water	661								
			Check No. 7	16.38										
4	8	Del Valle Branch Pipeline Junction		16.57	Zone 7 Water Agency Wente #3	0	154	100	285	138	133	348		
				16.63	Zone 7 Water Agency Wente #4	154								
				16.69	Zone 7 Water Agency Norman Nursery	0								
				16.70	Zone 7 Water Agency Concannon Project Water	100								
				18.63	Pumped into Lake Del Valle	0								
					Pumped into South Bay Aqueduct	0								
					Gravity into South Bay Aqueduct	78								
		Deliveries through Del Valle Branch Pipeline			Zone 7 Water Agency Arroyo Valle #1 & #2									
					Project Water	285								
					Storage Exchange	138								
					Inflow Release	0								
					East Bay Regional Park Dist.									
5		La Costa Tunnel		19.20	Del Valle Recreation	0	7	105	2,585	460				
				19.21	Zone 7 - Kalthrof Detjens	105								
6		Mission Tunnel		22.50	ACWD - Vallecitos Project Water	7								
				25.97	City of San Francisco San Antonio	0								
7		Santa Clara Pipeline		28.97	ACWD - Bayside 1 & 2 Project Water	1,914	1,914							
					Storage Exchange	460								
8				35.86	S.C.V.W.D. Meter	0								

Table 13. Lake Del Valle
Daily Operation

Capacity: 77,106 ac-ft

August 2011

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct 2/	Recreation Deliveries 3/	Evaporation	Total Outflow	
Jul 31	703.61	40,347									
1	703.56	40,312	-35	-12	0	0	9	1	14	24	0.00
2	703.52	40,283	-28	-13	0	0	0	1	15	16	0.00
3	703.46	40,241	-43	-17	0	0	12	1	13	26	0.00
4	703.42	40,212	-28	-3	0	0	10	1	15	26	0.00
5	703.37	40,177	-36	-10	0	0	12	1	12	25	0.00
6	703.31	40,134	-43	0	0	0	28	1	13	42	0.00
7	703.27	40,106	-28	-14	0	0	0	1	14	15	0.00
8	703.23	40,077	-28	-16	0	0	0	1	12	13	0.00
9	703.20	40,056	-21	-7	0	0	0	1	13	14	0.00
10	703.17	40,035	-21	-4	0	0	0	1	16	17	0.00
11	703.12	39,999	-35	-19	0	0	0	1	16	17	0.00
12	703.09	39,978	-21	-7	0	0	0	1	14	15	0.00
13	703.06	39,957	-21	-4	0	0	0	1	16	17	0.00
14	703.01	39,921	-35	-21	0	0	0	1	13	14	0.00
15	702.97	39,893	-28	-11	0	0	0	1	16	17	0.00
16	702.93	39,865	-28	-11	0	0	0	1	16	17	0.00
17	702.93	39,865	0	15	0	0	0	1	14	15	0.00
18	702.86	39,815	-49	-35	0	0	0	1	14	15	0.00
19	702.82	39,787	-28	-5	0	0	7	1	15	23	0.00
20	702.79	39,766	-21	-7	0	0	0	1	14	15	0.00
21	702.74	39,731	-35	-23	0	0	0	1	11	12	0.00
22	702.72	39,717	-14	-3	0	0	0	1	10	11	0.00
23	702.70	39,702	-14	3	0	0	0	1	16	17	0.00
24	702.65	39,667	-35	-19	0	0	0	0	16	16	0.00
25	702.62	39,646	-21	-4	0	0	0	0	17	17	0.00
26	702.60	39,632	-14	2	0	0	0	0	16	16	0.00
27	702.57	39,611	-21	-8	0	0	0	0	14	14	0.00
28	702.55	39,597	-14	-1	0	0	0	0	13	13	0.00
29	702.51	39,569	-28	-12	0	0	0	0	16	16	0.00
30	702.48	39,548	-21	-9	0	0	0	0	12	12	0.00
31	702.45	39,526	-21	-9	0	0	0	0	12	12	0.00
Total				-821	-284	0	0	78	23	436	537
0.00											

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ Project water released to South Bay Aqueduct through Del Valle Pumping Plant.

3/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

August 2011

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 56,430 ac-ft

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)	
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliveries 2/		
Jul 31	221.51	47,099											
1	223.02	51,100	4,001	0	683	3,973	6,654	0	0	9,593	30	330	
2	223.76	53,081	1,981	0	588	3,953	6,822	0	0	10,632	30	298	
3	222.85	50,646	-2,435	0	433	2,381	6,113	0	0	10,412	30	287	
4	222.03	48,464	-2,182	0	399	1,970	7,040	0	0	11,033	28	552	
5	220.90	45,498	-2,966	0	408	1,980	6,763	0	0	11,131	28	513	
6	220.97	45,682	184	0	559	3,958	5,944	0	0	10,584	28	244	
7	221.90	48,124	2,442	0	614	3,940	6,565	0	0	10,255	28	395	
8	222.78	50,459	2,335	0	614	3,940	6,761	0	0	10,411	28	301	
9	224.39	54,779	4,320	0	683	5,271	6,275	0	0	10,198	28	175	
10	222.50	49,713	-5,066	0	660	569	6,589	0	0	10,709	28	365	
11	221.83	47,940	-1,773	0	787	2,695	6,089	0	0	10,693	30	258	
12	222.30	49,182	1,242	0	758	3,920	6,338	0	0	10,577	30	217	
13	222.91	50,806	1,624	0	778	3,904	6,284	0	0	10,175	30	58	
14	221.47	46,994	-3,812	0	860	0	6,425	0	0	9,609	30	432	
15	222.33	49,261	2,267	0	1,020	2,931	6,188	0	0	8,893	29	-74	
16	223.22	51,634	2,373	0	897	3,892	6,294	0	0	9,847	29	-11	
17	222.62	50,033	-1,601	0	395	1,940	6,839	0	0	10,077	29	125	
18	222.21	48,942	-1,091	0	432	3,395	6,572	0	0	11,121	14	186	
19	221.34	46,653	-2,289	0	615	1,940	6,378	0	0	10,360	14	287	
20	221.06	45,918	-735	0	603	3,395	6,125	0	0	10,698	14	218	
21	220.73	45,054	-864	0	778	1,940	6,188	0	0	9,677	14	349	
22	222.80	50,513	5,459	0	792	3,144	6,621	0	0	8,132	14	341	
23	223.10	51,313	800	0	765	1,930	6,828	0	0	9,164	14	58	
24	222.63	50,060	-1,253	0	523	1,930	6,403	0	0	9,635	14	161	
25	221.70	47,598	-2,462	0	331	1,930	6,072	0	0	9,803	14	243	
26	221.13	46,101	-1,497	0	473	1,930	6,516	0	0	9,905	14	245	
27	220.68	44,923	-1,178	0	782	1,930	6,357	0	0	9,914	14	265	
28	221.21	46,311	1,388	0	1,098	3,136	6,301	0	0	9,910	14	89	
29	223.12	51,367	5,056	0	1,375	3,847	6,186	0	0	8,765	14	-80	
30	223.97	53,646	2,279	0	1,333	3,820	6,290	0	0	10,229	14	-51	
31	223.41	52,142	-1,504	0	982	1,910	6,432	0	0	10,102	14	34	
Total				5,043	0	22,018	87,394	199,252	0	0	312,244	689	6,810
Mean cfs				---	0	710	2,819	6,427	0	0	10,072	22	220
Acre-feet				5,043	0	43,673	173,344	395,217	0	0	619,336	1,367	13,512

1/ Pump-in located at Mile 79.67R.

1/ Includes 105 AF delivered to DFG at O'Neill Forebay, 0 AF to Parks and Recreation and 0 AF to Cattle Program.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

August 2011

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 2,027,835 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.		
Jul 31	515.22	1,685,702							
1	514.52	1,677,366	-8,336	0	3,973	261	0	31	
2	513.81	1,668,925	-8,441	0	3,953	249	0	-54	
3	513.25	1,662,278	-6,647	0	2,381	230	0	-740	
4	512.87	1,657,772	-4,506	0	1,970	231	0	-71	
5	512.49	1,653,271	-4,501	0	1,980	237	0	-52	
6	511.80	1,645,109	-8,162	0	3,958	230	0	73	
7	511.08	1,636,606	-8,503	0	3,940	211	0	-136	
8	510.39	1,628,472	-8,134	0	3,940	226	0	65	
9	509.47	1,617,649	-10,823	0	5,271	248	0	62	
10	509.30	1,615,651	-1,998	0	569	255	0	-183	
11	508.80	1,609,782	-5,869	0	2,695	247	0	-17	
12	508.09	1,601,460	-8,322	0	3,920	246	0	-30	
13	507.38	1,593,152	-8,308	0	3,904	228	0	-57	
14	507.33	1,592,568	-584	0	0	202	0	-92	
15	506.79	1,586,260	-6,308	0	2,931	237	0	-12	
16	506.08	1,577,980	-8,280	0	3,892	246	0	-36	
17	505.70	1,573,554	-4,426	0	1,940	201	0	-90	
18	505.08	1,566,342	-7,212	0	3,395	242	0	1	
19	504.68	1,561,696	-4,646	0	1,940	266	0	-136	
20	504.03	1,554,155	-7,541	0	3,395	255	0	-152	
21	503.64	1,549,636	-4,519	0	1,940	244	0	-94	
22	503.06	1,542,925	-6,711	0	3,144	260	0	21	
23	502.67	1,538,418	-4,507	0	1,930	265	0	-77	
24	502.29	1,534,030	-4,388	0	1,930	265	0	-17	
25	501.90	1,529,532	-4,498	0	1,930	265	0	-73	
26	501.51	1,525,038	-4,494	0	1,930	270	0	-66	
27	501.14	1,520,779	-4,259	0	1,930	264	0	47	
28	500.55	1,513,995	-6,784	0	3,136	256	0	-28	
29	499.81	1,505,502	-8,493	0	3,847	227	0	-208	
30	499.09	1,497,253	-8,249	0	3,820	197	0	-142	
31	498.71	1,492,906	-4,347	0	1,910	220	0	-62	
Total			-192,796	0	87,394	7,481	0	-2,325	
Mean cfs			---	0	2,819	241	0	-75	
Acre-feet			-192,796	0	173,344	14,839	0	-4,613	

1/ Pacheco Tunnel, San Felipe Split; Santa Clara 9,923 AF, Casa De Fruta 0 AF, and San Benito 2,023 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

August 2011

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	19,027	11,545	7,881	-146	0	0	518
2	21,088	13,578	7,841	7,841	0	0	493
3	20,652	13,202	4,722	656	0	0	457
4	21,884	14,400	3,907	-158	0	0	458
5	22,079	16,119	3,927	55	0	0	471
6	20,993	15,058	7,850	4,015	0	0	457
7	20,340	14,287	7,815	7,815	0	0	418
8	20,651	14,657	7,815	39	0	0	449
9	20,228	14,212	10,456	6,437	0	0	491
10	21,241	15,209	1,128	1,128	0	0	506
11	21,210	15,224	5,346	5,346	0	0	490
12	20,979	14,966	7,775	4,823	0	0	487
13	20,182	14,165	7,744	3,783	0	0	452
14	19,059	12,900	0	0	0	0	400
15	17,640	11,675	5,813	214	0	0	470
16	19,532	13,498	7,719	495	0	0	488
17	19,988	13,989	3,848	3,848	0	0	399
18	22,058	16,017	6,734	1,379	0	0	480
19	20,550	14,472	3,848	-149	0	0	528
20	21,219	15,187	6,734	93	0	0	506
21	19,195	13,133	3,848	-155	0	0	484
22	16,129	10,107	6,237	-19	0	0	515
23	18,176	12,135	3,828	-173	0	0	526
24	19,112	14,607	3,828	926	0	0	526
25	19,444	14,960	3,828	-35	0	0	525
26	19,647	15,159	3,828	1,904	0	0	536
27	19,664	15,200	3,828	-30	0	0	524
28	19,657	15,025	6,221	2,391	0	0	507
29	17,385	12,944	7,630	3,777	0	0	450
30	20,290	15,871	7,577	5,636	0	0	391
31	20,037	15,612	3,788	-161	0	0	437
Total	619,336	439,113	173,344	61,575	0	0	14,839

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations

August 2011

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Jul 31	326.95	20,179					
1	326.93	20,169	-10	0	0	0	-10
2	326.91	20,160	-9	0	0	0	-9
3	326.87	20,141	-19	0	0	0	-19
4	326.84	20,128	-13	0	0	0	-13
5	326.81	20,114	-14	0	0	0	-14
6	326.79	20,104	-10	0	0	0	-10
7	326.79	20,104	0	0	0	0	0
8	326.79	20,104	0	0	0	0	0
9	326.79	20,104	0	0	0	0	0
10	326.79	20,104	0	0	0	0	0
11	326.79	20,104	0	0	0	0	0
12	326.63	20,030	-74	0	0	0	-74
13	326.60	20,016	-14	0	0	0	-14
14	326.57	20,002	-14	0	0	0	-14
15	326.54	19,989	-13	0	0	0	-13
16	326.51	19,975	-14	0	0	0	-14
17	326.49	19,966	-9	0	0	0	-9
18	326.46	19,952	-14	0	0	0	-14
19	326.42	19,933	-19	0	0	0	-19
20	326.39	19,919	-14	0	0	0	-14
21	326.37	19,910	-9	0	0	0	-9
22	326.36	19,906	-4	0	0	0	-4
23	326.34	19,896	-10	0	0	0	-10
24	326.32	19,887	-9	0	0	0	-9
25	326.30	19,878	-9	0	0	0	-9
26	326.28	19,869	-9	0	0	0	-9
27	326.26	19,859	-10	0	0	0	-10
28	326.24	19,850	-9	0	0	0	-9
29	326.21	19,836	-14	0	0	0	-14
30	326.18	19,823	-13	0	0	0	-13
31	326.15	19,809	-14	0	0	0	-14
Total			-370	0	0	0	-370
Mean cfs			---	0	0	0	---
Acre-feet			-370	0	0	0	-370

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

August 2011

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 5,580 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Jul 31	602.20	803					
1	Not Observed						
2	Not Observed						
3	Not Observed						
4	Not Observed						
5	602.20	803	0	0	0	0	0
6	Not Observed						
7	Not Observed						
8	Not Observed						
9	Not Observed						
10	Not Observed						
11	Not Observed						
12	602.20	803	0	0	0	0	0
13	Not Observed						
14	Not Observed						
15	Not Observed						
16	Not Observed						
17	Not Observed						
18	Not Observed						
19	602.20	803	0	0	0	0	0
20	Not Observed						
21	Not Observed						
22	Not Observed						
23	Not Observed						
24	Not Observed						
25	Not Observed						
26	602.20	803	0	0	0	0	0
27	Not Observed						
28	Not Observed						
29	Not Observed						
30	Not Observed						
31	602.20	803	0	0	0	0	0
Total			0	0	0	0	0
Mean cfs			---	0	0	0	---
Acre-feet			0	0	0	0	0

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

August 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Mile			USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure									
2B	12	Check No. 12	66.71		395,217						
3A		San Luis Reservoir		Department of Parks and Recreation	0	11,282					
				San Felipe Division Santa Clara Water District	11,282						
				Casa de Fruta Santa Clara Water District	0						
				San Felipe Division San Benito Water District	3,557		3,557				
				Reach 3A Subtotal:	14,839		14,839	0	0		
3	13	O'Neill Forebay	70.85	Department of Parks and Recreation	0						
				Cattle Program	0				58		
				Department of Fish & Game	105				47		
		Thru	70.91	San Luis Water District	1,262	1,262					
			85.08	(Floodwater Inflow)	0						
				Reach 3 Subtotal:	1,367	1,262	0	58	47		
		Dos Amigos Pumping Plant	86.73		619,336						
4	14		89.03	San Luis Water District	7,488	7,488					
			Thru 94.06								
			89.66	Pacheco Water District	1,662		1,662				
			89.67								
			89.68	Panoche Water District	58		58				
		Check No. 14	89.70	City of Dos Palos	171		171				
			95.06								
	15		98.15	San Luis Water District	1,578	1,578					
			Thru 104.20								
			96.15	Panoche Water District	5,447		5,447				
			102.64	(Floodwater Inflow)	0						
			102.64	Broadview Water District	0						
			105.22	Westlands Water District	15,454	15,454					
			Thru 108.64								
			Check No.15	108.50							
				Reach 4 Subtotal:	31,858	31,858	0	0	0		
				San Felipe Division Total:	14,839	14,839	0	0	0		
				Pacheco Water District Total:	1,662	1,662	0	0	0		
				Broadview Water District Total:	0	0	0	0	0		
				City of Dos Palos Total:	171	171	0	0	0		
				SLWD Reach 4 Subtotal:	9,066	9,066	0	0	0		
				Panoche Water District Total:	5,505	5,505	0	0	0		
				SLWD Total:	10,328	10,328	0	0	0		
				Westlands WD Reach 4 Subtotal:	15,454	15,454	0	0	0		

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

August 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Mile			USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure									
5	16		110.52	(Reverse flow, Kings River)	0	23,916					
				Westlands Water District	23,916						
				Thru Dept. of Fish and Game @ Lat. 4L	0						
				122.05 Dept. of Fish and Game @ Lat. 6L	0						
				Dept. of Fish and Game @ Lat. 7L	0						
		Check No. 16	122.07								
	17		124.18	Westlands Water District	16,206	16,206					
				Thru 132.74							
	Check No. 17		132.95								
6	18		133.81	Westlands Water District	22,031	22,031					
				Thru 142.61							
				Pleasant Valley Pumping Plant	15,346	15,346					
			143.16	City of Coalinga	964	964					
				Check No. 18							
			Reach 5 Subtotal:	78,463	78,463	0	0	0	0		
7	19		145.26	GWF Energy	0	4	1/ 407				
				City of Huron	4						
				DWR Water Truck @22R	0						
				Thru 151.19 Kings County to Lemoore NAS Through WWD	407						
				Kings County through WWD 30L	0						
				Westlands Water District	30,274						
				Check No. 19	155.64						
			Reach 6 Subtotal:	30,685	30,278	407	0	0	0		
	20		156.34	City of Huron	126	126					
				156.40 SWP Construction @ Lat. 24R	0						
				Thru Kings County through WWD 31L, 32L, 33L, 34L, 35L, 36L	0						
				163.69 Westlands Water District	16,877						
	21		164.69	Check No. 20		16,877	242				
				164.79 City of Avenal	242						
				167.04 Thru 171.67 Westlands Water District	5,433						
				Check No. 21	452,908						
				Reach 7 Total:	22,678	22,678	0	0	0		
				SWP Construction Total:	0	0	0	0	0		
				Westlands WD Total:	145,537	145,537	0	0	0		
				City of Coalinga Total:	964	964	0	0	0		
				City of Huron Total:	130	130	0	0	0		
				Kings County to Lemoore NAS Through WWD	407	0	407	0	0		
				City of Avenal Total:	242	242	0	0	0		
Total San Luis Field Division Deliveries:					179,890	179,378	407	58	47		

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations

August 2011

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non-Project	Dos Amigos Pumping Plant	San Luis Water District Pools 14 & 15 2/	Panoche Water District Pools 14 & 15	Westlands Water District Pools 15 thru 21 3/	Flow Past Check 21	
Jul 31	30,158								
1	29,704	-454	0	9,593	259	100	3,679	6,738	954
2	29,235	-469	0	10,632	259	100	3,679	7,613	782
3	29,071	-164	0	10,412	259	100	3,678	7,212	754
4	29,612	541	0	11,033	174	95	2,349	7,528	-615
5	29,679	67	0	11,131	174	95	2,349	7,870	-609
6	29,066	-613	0	10,584	174	95	2,349	7,958	-317
7	29,411	345	0	10,255	174	95	2,349	7,695	232
8	30,411	1,000	0	10,411	174	95	2,349	7,130	-159
9	29,070	-1,341	0	10,198	174	95	2,349	7,975	-281
10	29,893	823	0	10,709	174	95	2,349	7,198	-478
11	29,823	-70	0	10,693	187	99	2,218	7,204	-1,020
12	29,865	42	0	10,577	187	99	2,218	7,706	-346
13	29,601	-264	0	10,175	187	99	2,218	7,814	10
14	30,145	544	0	9,609	187	99	2,218	7,226	395
15	29,506	-639	0	8,893	187	99	2,218	6,880	169
16	29,505	-1	0	9,847	187	99	2,218	7,182	-161
17	28,968	-537	0	10,077	187	99	2,218	7,582	-262
18	29,639	671	0	11,121	148	84	2,141	7,661	-749
19	29,499	-140	0	10,360	148	84	2,141	7,596	-462
20	29,628	129	0	10,698	148	84	2,141	7,869	-391
21	29,822	194	0	9,677	148	84	2,141	7,314	108
22	29,266	-556	0	8,132	148	84	2,141	6,145	106
23	29,679	413	0	9,164	148	84	2,141	6,486	-97
24	29,749	70	0	9,635	148	84	2,141	7,073	-154
25	29,397	-352	0	9,803	165	76	2,323	7,450	33
26	29,883	486	0	9,905	165	76	2,323	7,035	-61
27	29,607	-276	0	9,914	165	76	2,323	7,582	92
28	30,056	449	0	9,910	165	76	2,323	7,574	455
29	29,616	-440	0	8,765	165	75	2,323	6,788	364
30	29,839	223	0	10,229	165	75	2,323	7,788	234
31	30,402	563	0	10,102	165	75	2,323	7,467	212
Total		244	0	312,244	5,495	2,775	74,253	228,338	-1,262
Mean cfs		---	0	10,072	177	90	2,395	7,366	-41
Acre-feet		244	0	619,336	10,899	5,505	147,280	452,908	-2,500

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 1,662 AF to Pacheco W.D., 171 AF to the City of Dos Palos and 9,066 AF to San Luis Water District.

3/ Includes 126 AF to the City of Huron, 242 AF to the City of Avenal, 964 AF to the City of Coalinga, 4 AF to City of Huron P&R @ 22R, 407 AF to Lemoore N.A.S. @ 29L, 0 AF to GWF @ 30L, 0 AF to Kings County @ 30L, 0 AF to Broadview WD @ 3L, 0 AF to DFG @ 4L, 0 AF to Pilibos Wildlife @ 4L, 0 AF to Mendota Water Fowl Habitat Area @ 6L, 0 AF to FG @ 7L, 0 AF to Non-Project Water, 130,191 AF to Westlands Water District and 15,346 AF to Pleasant Valley Pumping Plant.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

August 2011

23

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	428	332	88	80	88	6,632	6,350	5,962	5,886
2	563	507	91	81	91	6,490	5,950	5,580	5,449
3	645	551	81	71	80	6,059	5,676	5,262	5,105
4	645	498	82	73	83	5,760	5,146	4,783	4,621
5	437	306	73	68	79	8,242	6,796	6,376	6,226
6	587	503	80	71	81	7,618	7,199	6,691	6,715
7	576	506	79	72	81	7,585	7,541	7,250	7,214
8	627	527	76	70	78	6,548	6,183	5,827	5,776
9	694	556	84	79	91	6,997	6,610	6,150	5,989
10	694	533	95	85	94	7,624	6,350	5,953	5,815
11	734	630	109	99	113	6,861	6,494	6,122	5,959
12	743	662	91	81	92	7,144	6,433	6,001	5,897
13	692	657	82	75	88	7,740	7,043	6,702	6,461
14	670	656	125	113	119	7,341	6,941	6,753	6,685
15	589	559	91	85	95	6,391	6,284	5,994	5,884
16	654	633	91	82	91	6,251	5,748	5,503	5,376
17	690	688	114	104	115	6,231	6,270	5,910	5,806
18	663	623	94	86	94	6,693	6,204	5,897	5,755
19	597	586	76	69	78	5,604	5,051	4,305	4,607
20	549	510	141	118	126	7,170	5,686	6,326	6,305
21	486	450	104	95	104	7,264	6,841	6,568	6,465
22	493	464	99	90	102	5,416	5,065	4,839	4,694
23	557	514	95	88	98	5,595	4,935	4,693	4,540
24	563	572	113	105	115	5,858	5,332	4,971	4,784
25	508	476	98	92	103	5,915	5,228	4,882	4,731
26	531	497	103	88	100	6,104	5,552	5,163	5,023
27	555	581	117	108	117	7,093	6,689	6,425	6,315
28	544	505	96	87	97	6,841	6,824	6,585	6,449
29	568	571	109	98	108	6,277	6,157	5,886	5,908
30	537	626	100	90	99	6,320	5,612	5,242	5,425
31	391	384	102	92	100	6,547	5,949	5,613	5,287
Total	18,210	16,663	2,979	2,695	3,000	206,211	190,139	180,214	177,152

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

August 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries													
	Beginning and Ending					Table A	USBR	Article 14B	Pool A										
	No.	Structure	Mile									Other							
7	21	Check No. 21	172.40		452,908														
8C	22			Empire West Side ID TL - A	0	1,539						1/ 203 2/ 3,642							
				172.66	County of Kings TL - A														
				Tulare Lake Basin WSD TL-A	0														
					175.18 Dudley Ridge WD - 1														
				177.54 Dudley Ridge WD - 1B	291														
					180.64 Tulare Lake Basin WSD - C														
				180.65 Dudley Ridge WD - 1A	1,248														
					182.99 Dudley Ridge WD - 2														
				183.00 Tulare Lake Basin WSD TL - B	7,408														
					County of Kings TL-B														
31A	8D			184.00 Dudley Ridge WD - Paramount	3	1,194						2,453							
				184.63 Coastal Branch	18,210														
8D				184.78 Dudley Ridge WD - 3	2,453	4,363						203							
				Dudley Ridge Reach 8D Total:	7,408														
9	23			Kern County Water Agency Lost Hills Water Dist. - 1	10,100	5,865					4,235								
				Kern County Water Agency Lost Hills Water Dist. - 2	2,128														
				Kern County Water Agency Lost Hills Water Dist. - 3	1,264														
				Kern County Water Agency Berrenda Mesa - 2	720														
				Kern County Water Agency Lost Hills Water Dist. - 4	2,112														
				KCWA Reach 9 Subtotal:															
				Check No. 23	197.05														
10A	24			201.24 Kern County Water Agency Lost Hills Water Dist. - 7	1,274	1,274													
				202.05 Kern County Water Agency Lost Hills Water Dist. - 5	993														
				204.69 Kern County Water Agency Lost Hills Water Dist. - 6	0														
				205.26 Kern County Water Agency Lost Hills Water Dist. - 8	4														
				Check No. 24	207.94														
	25			209.71 Kern County Water Agency Belridge Water Storage Dist. - 1A	3,276	3,276						3/ 53,738							
				209.78 Kern National Wildlife Refuge USBR BV-1B	0														
					Kern County Water Agency Buena Vista WSD 1B														
				209.80 KCWA Semitropic WSD	53,738														
					KCWA Semitropic WSD Penstocks														
				USBR Total:															
				KCWA Reach 10A Subtotal:															

1/ TLBWS Table A delivered through DRWD turnouts.

2/ TLBWS requested a delivery of Friant Recirculation Water stored in San Luis Reservoir by Lower Tule River ID, Tulare ID, and Fresno ID.

3/ To Semitropic WSD for banking includes: 44,102 AF from MWD, 5,636AF of CVP water from SCVWD, and 4,000 AF of Table A from SCVWD.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

August 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Table A	USBR	Article 14B	Pool A	Pool B	Other		
	No.	Structure	Mile										
11B	25		210.75	Kern County Water Agency Belridge - 2	0	1,175				11,833			
			214.11	Kern County Water Agency Belridge - 3	1,175								
			216.62	Kern County Water Agency Belridge - 4	0								
			217.13	Kern County Water Agency Belridge - 5A-C	15,702	3,869				11,833			
				Kern County Water Agency Belridge - 5D	232								
		Check No. 25	217.79			5,276	0	0	0	11,833	0		
				KCWA Reach 11B Subtotal:	17,109								
12D	26		219.58	Kern County Water Agency Belridge - 6	0	135							
				Kern County Water Agency West Kern - 3	135								
		Check No. 26	224.92										
12E	27		230.37	Kern County Water Agency Buena Vista - 6	4,531	4,531					2/ 23,319		
			Check No. 27	231.73									
			235.75	Kern County Water Agency Buena Vista - 2	5,190		5,190						
			238.04	Kern County WA CVC	54,866								
				DRWD CVC	0								
				Tulare Co.	0								
				Lower Tule River	0								
				Fresno Co.	0								
				Pixley ID	0								
				Hacienda DWR Wells	0								
		Check No. 28	238.11										
				1/ Arvin Edison Total:	0	0	0	0	0	0	0		
				Reach 12E Subtotal:	64,587								
13B	29		238.19	Kern Water Bank Inflow	0	26,042					3/ 13,485		
			241.02	Kern River Intertie (inflow)	0		4,035						
			242.85	KCWA Buena Vista WSD - 7	17,520								
			243.09	KCWA Buena Vista WSD - 5	611		611	4,975					
			Check No. 29	Kern County Water Agency Buena Vista - 3	4,975								
			244.54			1,262							
			249.85	Kern County Water Agency Buena Vista - 4	1,262								
		Buena Vista Pumping Plant	250.99		206,211	36,925	0	0	0	0	13,485		
				KCWA Reach 13B Subtotal:	50,410								
14A	31		254.47	Kern County Water Agency West Kern - 2	0	371							
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	371								

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ MWD sent 8,166 AF to Kern-Delta WD for banking, MWD sent 12,168 AF to Arvin-Edison WSD for banking, and Zone-7 sent 2,985 AF of Table A to Semitropic WSD for banking.

3/ MWD sent 13,485 AF of Table A to Kern Delta WD.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

August 2011

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries						
	Beginning and Ending				Table A	USBR	Article 14B	Pool A			
	No.	Structure	Mile								
14A	31	Check No. 31	256.14		765	765					
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3							
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4							
	Check No. 32		261.72								
				KCWA Reach 14A Subtotal:	3,130			3,130	0	0	
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	5,704	5,704					
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	1,019	1,019					
			267.36								
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	2,984	2,984					
			271.27								
				Reach 14B Total:	9,707	9,707		0	0	0	
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	2,145	2,145					
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	751	751					
			277.30	Kern County Water Agency Arvin-Edison WSD	6,529					1 / 6,529	
				Reach 14C Total:	9,425	2,896		0	0	0	
	Teerink Pumping Plant		278.13		190,139						
15A	36		279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	573	573					
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	5,312	5,312					
				Reach 15A Total:	5,885	5,885		0	0	0	
	Chrisman Pumping Plant		280.36		180,214						
	37		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0						
			283.95								
16A	38		285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	42	42					
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	88	88					
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0						
	Check No. 38		287.09								
	39		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	101	101					
			290.21								
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	1,282	1,282					
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	625	625					
				Kern County Water Agency Tehachapi Cummings CWD	949	949					
				KCWA Reach 16A Subtotal:	3,087	3,087		0	0	0	
	Edmonston Pumping Plant		293.45		177,152						

1/ MWD sent water to Arvin-Edison WSD for banking.

Table 23. Governor Edmund G. Brown California Aqueduct
 San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

August 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Table A	USBR	Article 14B	Pool A	Pool B	Other		
	No.	Structure	Mile										
31A	C-1	Coastal Branch Control	0.02		18,210	908	13,329	2,510	421	0	0		
		Las Perillas Pumping Plant	1.16		18,210								
	C-2		3.79	Green Valley Water District	0								
		Badger Hill Pumping Plant	4.27		16,663								
	C-3	Coastal Check No. 3	7.21										
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0								
		Coastal Check No. 4	9.34										
	C-5	Coastal Check No. 5	12.20										
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	908								
			14.83	Kern County Water Agency Berrenda Mesa - 1	13,329								
				Kern County Water Agency Berrenda Mesa - PO	0								
		Devil's Den Pumping Plant	14.86		2,979								
				KCWA Reach 31A Subtotal:	14,237	14,237	0	0	0	0	0		
				KCWA Total:	253,321	140,182	0	0	4,235	11,833	97,071		
33A	C-7	Bluestone Pumping Plant	19.05		2,695	421	2,510	0	0	0	0		
	C-8	Polonio Pass Pumping Plant	26.54		3,000								
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant	0								
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	2,510								
		Tank Site 2	58.63	Central Coast:	0								
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	421	421	0	2,510	0	0	0		
		Energy Dissipater	78.12										
	Lopez T.O.		85.86	SLOCFC & WCD	0								
35	C-12			CCWA Total:	2,931	421	0	2,510	0	0	0		
		Guadalupe T.O.	102.70	SBCFC & WCD	0								
		Santa Maria T.O.	107.43	SBCFC & WCD	0								
	So. Cal. Water T.O.	109.20		SBCFC & WCD	0								
38				SBCFC & WCD Total:	0	0	0	0	0	0	0		
	Tank Site 5	115.42											

Table 24. Southern Field Division Plant Data

(in acre-feet)

August 2011

Date	West Branch						East Branch						East Branch Extension				
	Oso Pumping Plant	Warne Powerplant			Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Green Spot	Crafton Hills	Cherry Valley
		Generation	Leakage	Gorman Crk. Improvement Channel	Generation 1/	Pumpback 1/	Bypass Through Plant	Tehachapi Afterbay Bypass	Generation	Leakage	Bypass Flume						
1	1,324	1,414	0	0	3,557	1,798	2,768	0	1,498	4,181	4,078	0	0	3,831	0	0	0
2	1,341	1,414	0	0	2,741	2,640	2,757	0	989	4,063	3,713	0	0	4,028	79	62	32
3	1,032	1,413	0	0	3,236	1,097	2,691	0	940	3,376	3,344	0	0	3,878	79	62	32
4	654	1,409	0	0	3,755	1,261	2,763	0	810	3,438	3,487	0	0	3,798	79	62	32
5	1,615	1,410	0	0	3,779	1,574	2,774	0	1,361	3,742	3,643	0	0	3,833	83	62	31
6	1,704	1,410	0	0	3,851	3,547	2,783	0	1,699	3,904	3,371	0	0	3,788	88	61	32
7	2,469	1,407	0	0	1,697	2,828	2,770	0	1,448	4,175	3,983	0	0	3,746	88	60	31
8	1,478	1,396	0	0	2,218	814	2,770	0	1,322	4,175	4,003	0	0	3,785	84	60	31
9	1,081	1,397	0	0	2,459	0	2,877	0	1,436	4,175	3,936	0	0	3,608	68	60	32
10	1,309	1,396	0	0	2,660	1,029	2,838	0	1,149	4,175	3,942	0	0	3,558	61	61	32
11	1,175	1,395	0	0	1,334	690	2,919	0	1,736	3,897	3,874	0	0	3,646	61	61	32
12	1,318	1,394	0	0	1,853	0	2,735	0	1,424	4,175	3,769	0	0	3,499	62	63	32
13	1,915	1,395	0	0	1,214	1,225	2,962	0	1,507	4,175	3,863	0	0	3,577	61	62	32
14	1,775	1,396	0	0	1,233	2,277	2,675	0	1,547	4,175	3,848	0	0	3,452	62	62	32
15	1,327	1,396	0	0	3,157	2,212	2,677	0	1,547	4,175	3,894	0	0	3,546	62	60	31
16	895	739	0	0	2,971	1,225	2,645	0	1,202	4,175	3,192	0	0	3,380	60	60	31
17	1,320	1,412	0	0	4,627	2,501	2,790	0	1,495	4,157	3,912	0	0	3,449	60	60	31
18	1,422	1,369	0	0	3,864	2,699	2,762	0	1,098	4,175	3,972	0	0	3,431	59	60	31
19	1,246	1,439	0	0	2,420	1,940	2,570	0	694	3,224	3,152	0	0	3,539	59	60	32
20	1,275	1,525	0	0	3,465	1,233	2,991	0	1,620	3,990	3,799	0	0	3,504	59	60	32
21	2,116	1,526	0	0	113	610	2,814	0	1,136	4,173	3,680	0	124	3,458	59	60	31
22	1,278	1,424	0	0	2,574	605	2,922	0	476	3,064	0	0	2,980	3,189	59	60	32
23	940	1,551	0	0	3,227	749	2,958	0	237	2,997	0	0	2,981	2,979	58	60	31
24	1,423	1,563	0	0	2,327	2,656	2,951	0	324	2,897	0	0	2,981	3,060	36	38	20
25	1,249	1,544	0	0	4,263	996	2,923	0	494	3,039	0	0	2,981	3,074	58	60	31
26	1,576	1,521	0	0	1,195	912	2,785	0	436	3,160	1,285	0	2,025	3,504	60	62	32
27	1,901	1,489	0	0	881	1	2,914	0	1,289	3,990	3,934	0	0	3,482	62	63	32
28	1,964	1,489	0	0	2,490	2,508	2,843	0	1,182	4,175	4,057	0	0	3,504	63	63	32
29	1,257	1,506	0	0	2,651	1,172	2,829	0	1,263	4,175	4,022	0	0	3,576	62	62	31
30	1,042	1,504	0	0	2,013	1,152	2,844	0	1,067	3,731	3,508	0	195	3,416	66	68	31
31	1,466	1,508	0	0	1,500	0	2,813	0	881	3,678	3,769	0	0	3,482	36	36	31
Total	43,887	44,151	0	0	79,325	43,951	87,113	0	35,307	118,801	99,030	0	14,267	109,600	1,933	1,790	935

1/ Values supplied by LADWP, not verified by DWR.

Table 25. Pyramid Lake
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

August 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)		
				Project			Natural	Project		To Piru Creek			
				Castaic Powerplant Pumpback 1/	Warne Power-plant	Gorman Creek Improv. Channel		Stream Flow	Castaic Powerplant Generation 1/	Recrea-tion Deliveries	Natural	Del. To United W.A.	
Jul 31	2573.14	163,703											
1	2572.64	163,073	-630	1,798	1,414	0	13	3,557	0	20	0	-278	
2	2573.55	164,220	1,147	2,640	1,414	0	12	2,741	0	20	0	-158	
3	2572.76	163,224	-996	1,097	1,413	0	12	3,236	0	20	0	-262	
4	2571.66	161,845	-1,379	1,261	1,409	0	12	3,755	0	20	0	-286	
5	2570.81	160,785	-1,060	1,574	1,410	0	12	3,779	0	18	0	-259	
6	2571.70	161,895	1,110	3,547	1,410	0	13	3,851	0	19	0	10	
7	2573.86	164,611	2,716	2,828	1,407	0	12	1,697	1	16	0	183	
8	2573.66	164,359	-252	814	1,396	0	13	2,218	0	16	0	-241	
9	2572.47	162,860	-1,499	0	1,397	0	12	2,459	0	16	0	-433	
10	2572.01	162,276	-584	1,029	1,396	0	12	2,660	0	16	0	-345	
11	2572.56	162,973	697	690	1,395	0	12	1,334	0	16	0	-50	
12	2571.97	162,233	-740	0	1,394	0	12	1,853	0	16	0	-277	
13	2573.08	163,627	1,394	1,225	1,395	0	11	1,214	0	16	0	-7	
14	2575.30	166,439	2,812	2,277	1,396	0	11	1,233	0	16	0	377	
15	2575.46	166,643	204	2,212	1,396	0	11	3,157	0	16	0	-242	
16	2574.52	165,447	-1,196	1,225	739	0	10	2,971	0	16	0	-183	
17	2573.68	164,384	-1,063	2,501	1,412	0	11	4,627	0	16	0	-344	
18	2573.89	164,649	265	2,699	1,369	0	11	3,864	0	15	0	65	
19	2574.43	165,333	684	1,940	1,439	0	11	2,420	0	15	0	-271	
20	2573.69	164,396	-937	1,233	1,525	0	11	3,465	0	15	0	-226	
21	2575.36	166,515	2,119	610	1,526	0	12	113	1	15	0	100	
22	2574.82	165,828	-687	605	1,424	0	12	2,574	0	14	0	-140	
23	2573.97	164,750	-1,078	749	1,551	0	11	3,227	0	14	0	-148	
24	2575.57	166,783	2,033	2,656	1,563	0	10	2,327	0	14	0	145	
25	2573.85	164,599	-2,184	996	1,544	0	10	4,263	0	14	0	-457	
26	2574.85	165,866	1,267	912	1,521	0	10	1,195	0	14	0	33	
27	2575.20	166,311	445	1	1,489	0	10	881	0	14	0	-160	
28	2576.36	167,792	1,481	2,508	1,489	0	9	2,490	0	13	0	-22	
29	2576.29	167,703	-89	1,172	1,506	0	9	2,651	0	13	0	-112	
30	2576.66	168,177	474	1,152	1,504	0	8	2,013	0	13	0	-164	
31	2576.45	167,908	-269	0	1,508	0	9	1,500	0	13	0	-273	
Total				4,205	43,951	44,151	0	344	79,325	2	489	0	-4,425

1/ Values supplied by LADWP, not verified by DWR.

Table 26. Elderberry Forebay

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

August 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake			
							Natural	Project 1/		
Jul 31	1519.72	23,121								
1	1524.00	24,974	1,853	3,557	0	1,798	0	0	94	
2	1516.08	21,601	-3,373	2,741	0	2,640	0	3,473	-1	
3	1517.53	22,200	599	3,236	0	1,097	0	1,568	28	
4	1519.71	23,117	917	3,755	0	1,261	0	1,577	0	
5	1517.12	22,030	-1,087	3,779	0	1,574	0	3,266	-26	
6	1518.04	22,413	383	3,851	0	3,547	0	0	79	
7	1515.15	21,221	-1,192	1,697	0	2,828	0	0	-61	
8	1519.27	22,931	1,710	2,218	0	814	0	0	306	
9	1518.77	22,719	-212	2,459	0	0	0	2,661	-10	
10	1519.42	22,993	274	2,660	0	1,029	0	1,640	283	
11	1510.21	19,265	-3,728	1,334	0	690	0	4,065	-307	
12	1514.96	21,144	1,879	1,853	0	0	0	0	26	
13	1515.11	21,205	61	1,214	0	1,225	0	0	72	
14	1512.58	20,191	-1,014	1,233	0	2,277	0	0	30	
15	1515.08	21,193	1,002	3,157	0	2,212	0	0	57	
16	1514.64	21,014	-179	2,971	0	1,225	0	1,924	-1	
17	1514.69	21,035	21	4,627	0	2,501	0	2,106	1	
18	1512.97	20,345	-690	3,864	0	2,699	0	1,854	-1	
19	1508.59	18,646	-1,699	2,420	0	1,940	0	2,179	0	
20	1514.60	20,998	2,352	3,465	0	1,233	0	0	120	
21	1513.62	20,604	-394	113	0	610	0	0	103	
22	1518.64	22,665	2,061	2,574	0	605	0	0	92	
23	1524.67	25,269	2,604	3,227	0	749	0	0	126	
24	1517.66	22,254	-3,015	2,327	0	2,656	0	2,744	58	
25	1521.21	23,759	1,505	4,263	0	996	0	1,767	5	
26	1509.65	19,050	-4,709	1,195	0	912	0	4,910	-82	
27	1512.23	20,052	1,002	881	0	1	0	0	122	
28	1512.19	20,037	-15	2,490	0	2,508	0	0	3	
29	1516.06	21,593	1,556	2,651	0	1,172	0	0	77	
30	1513.05	20,377	-1,216	2,013	0	1,152	0	2,075	-2	
31	1508.55	18,631	-1,746	1,500	0	0	0	3,246	0	
Total				-4,490	79,325	0	43,951	0	41,055	
									1,191	

1/ Values supplied by LADWP, not verified by DWR.

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

August 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay 1/		Natural	Deliveries	Released To Castaic Lagoon		
				Natural	Project					
Jul 31	1503.10	297,740								
1	1502.25	295,917	-1,823	0	0	1	1,467	0	-357	
2	1503.41	298,400	2,483	0	3,473	1	1,428	0	437	
3	1503.34	299,251	851	0	1,568	1	1,640	0	922	
4	1503.45	298,485	-766	0	1,577	1	1,478	0	-866	
5	1504.26	300,214	1,729	0	3,266	1	1,556	0	18	
6	1503.54	298,677	-1,537	0	0	1	1,478	0	-60	
7	1502.86	297,229	-1,448	0	0	1	1,515	0	66	
8	1502.14	295,701	-1,528	0	0	0	1,398	0	-130	
9	1502.77	297,038	1,337	0	2,661	0	1,560	0	236	
10	1502.93	297,378	340	0	1,640	1	1,334	0	33	
11	1504.18	300,043	2,665	0	4,065	0	1,377	0	-23	
12	1503.57	298,741	-1,302	0	0	0	1,319	0	17	
13	1502.90	297,314	-1,427	0	0	1	1,427	0	-1	
14	1502.26	295,956	-1,358	0	0	0	1,313	0	-45	
15	1501.62	294,600	-1,356	0	0	0	1,283	0	-73	
16	1501.98	295,345	745	0	1,924	1	1,327	0	147	
17	1502.26	295,956	611	0	2,106	0	1,411	0	-84	
18	1502.45	296,359	403	0	1,854	0	1,481	0	30	
19	1502.77	297,038	679	0	2,179	1	1,466	0	-35	
20	1502.06	295,532	-1,506	0	0	0	1,388	0	-118	
21	1501.38	294,093	-1,439	0	0	0	1,370	0	-69	
22	1500.74	292,743	-1,350	0	0	1	1,377	0	26	
23	1500.02	291,228	-1,515	0	0	0	1,458	0	-57	
24	1500.65	292,553	1,325	0	2,744	0	1,351	0	-68	
25	1500.85	292,975	422	0	1,767	0	1,511	0	166	
26	1502.35	296,138	3,163	0	4,910	0	1,647	0	-100	
27	1501.54	294,431	-1,707	0	0	0	1,691	0	-16	
28	1500.85	292,975	-1,456	0	0	0	1,502	0	46	
29	1500.06	291,312	-1,663	0	0	0	1,618	0	-45	
30	1500.25	291,712	400	0	2,075	0	1,807	0	132	
31	1501.01	293,312	1,600	0	3,246	0	1,702	0	56	
Total				-4,428	0	41,055	12	45,680	0	185

1/ Values supplied by LADWP, not verified by DWR.

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

August 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		No.			Table A	Rec.	Pool A	Local	Article 56C	Other	
	No.	Structure	Mile									
29A	42	Oso Pumping Plant	1.49		43,887							
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved	2	40	0	0	0	0	
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub							
29G		Warne Power Plant	14.07	(No flow through Gorman Creek Imp. Channel)	44,151							
29H	W3	Pyramid Lake		USFS		40	40	0	0	0	0	
				Pyramid Recreation (T300)	2							
				United WA (T300)	0							
		Pyramid Dam	17.10	California State Park								
29J	W4	Castaic Power Plant	25.82	(43,951 AF pumpback) 2/	79,325	40	40	0	0	0	0	
		Elderberry Forebay										
		Forebay Dam	28.12									
		Castaic Lake		California State Park								
30 1/	W5	Castaic Dam		Castaic Lake Recreation (T301)	40	40	40	0	0	0	0	
			31.47									
				MWDSC 78" & 132" (T302)	41,030							
				Castaic Lake WA 18", 24" & 54" (T303)	1,196							
				Castaic Lake WA Rio Vista T.P. (T304)	3,260							
				MWD-Ventura Co. WPD (T302)	154							
				Releases to Lagoon	0							
		Castaic Lake Outlet		Reach 30 Subtotal:	45,680							
			31.6									
	W6	Castaic Lagoon		California State Park Recreation to Lagoon (T353)	0	40	40	0	0	0	0	
		Castaic Lagoon Outlet	31.9		758							

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value Supplied by LADWP, not verified by DWR.

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

August 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow					Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Delivered to CLAWA	Rec.	San Bernardino Tunnel	Del. To Mojave W.A.	Natural To Mojave River			
Jul 31	3349.27	69,491												
1	3349.46	69,669	178	4,078	0	8	5	0	3,831	0	0	-72	0	
2	3349.15	69,379	-290	3,713	0	8	7	0	4,028	0	1	25	0	
3	3348.48	68,753	-626	3,344	0	7	3	0	3,878	0	0	-96	0	
4	3348.28	68,567	-186	3,487	0	7	4	0	3,798	0	0	122	0	
5	3348.34	68,623	56	3,643	0	6	6	0	3,833	0	0	246	0	
6	3348.03	68,335	-288	3,371	0	5	3	0	3,788	0	1	128	0	
7	3348.17	68,465	130	3,983	0	5	3	0	3,746	0	0	-109	0	
8	3348.42	68,698	233	4,003	0	5	3	0	3,785	0	0	13	0	
9	3348.76	69,014	316	3,936	0	5	3	0	3,608	0	0	-14	0	
10	3348.93	69,173	159	3,942	0	4	3	0	3,558	0	1	-225	0	
11	3349.07	69,304	131	3,874	0	4	3	0	3,646	0	0	-98	0	
12	3349.41	69,622	318	3,769	0	4	3	0	3,499	0	0	47	0	
13	3349.49	69,697	75	3,863	0	4	4	0	3,577	0	0	-211	0	
14	3350.02	70,195	498	3,848	0	3	3	0	3,452	0	1	103	0	
15	3350.33	70,487	292	3,894	0	3	3	0	3,546	0	0	-56	0	
16	3350.98	71,102	615	3,192	0	3	4	0	3,380	0	0	804	0	
17	3351.34	71,444	342	3,912	0	3	4	0	3,449	0	0	-120	0	
18	3351.99	72,063	619	3,972	0	2	4	0	3,431	0	1	81	0	
19	3351.63	71,720	-343	3,152	0	2	4	0	3,539	0	0	46	0	
20	3351.79	71,873	153	3,799	0	2	5	0	3,504	0	0	-139	0	
21	3352.19	72,255	382	3,680	124	2	5	0	3,458	0	0	39	0	
22	3351.82	71,901	-354	0	2,980	1	5	0	3,189	0	0	-141	0	
23	3351.63	71,720	-181	0	2,981	1	5	0	2,979	0	1	-178	0	
24	3351.43	71,530	-190	0	2,981	1	6	0	3,060	0	0	-106	0	
25	3351.20	71,311	-219	0	2,981	1	7	0	3,074	0	0	-120	0	
26	3350.81	70,941	-370	1,285	2,025	1	7	0	3,504	0	1	-169	0	
27	3351.32	71,425	484	3,934	0	1	6	0	3,482	0	0	37	0	
28	3351.91	71,987	562	4,057	0	1	5	0	3,504	0	0	13	0	
29	3352.33	72,389	402	4,022	0	1	5	0	3,576	0	1	-39	0	
30	3352.72	72,762	373	3,508	195	1	5	0	3,416	0	0	90	0	
31	3353.03	73,060	298	3,769	0	1	1	0	3,482	0	1	12	0	
Total				3,569	99,030	14,267	102	134	0	109,600	0	9	-87	0

1/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow.

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

August 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Jul 31	1560.40	69,655				
1	1560.40	69,655	0		126	
2	1560.50	69,838	183		102	
3	1560.63	70,076	238		103	
4	1560.80	70,388	312		104	
5	1560.74	70,278	-110		103	
6	1560.74	70,278	0		103	
7	1560.77	70,333	55		103	
8	1560.80	70,388	55		124	
9	1560.70	70,205	-183		110	
10	1560.55	69,930	-275		110	
11	1560.69	70,186	256		110	
12	1560.47	69,783	-403		110	
13	1560.60	70,021	238		110	
14	1560.55	69,930	-91		110	
15	1560.41	69,673	-257		110	
16	1560.38	69,618	-55		123	
17	1560.40	69,655	37		173	
18	1560.33	69,527	-128		105	
19	1560.27	69,417	-110		105	
20	1560.20	69,290	-127		105	
21	1559.97	68,868	-422		122	
22	1560.14	69,180	312		107	
23	1559.97	68,868	-312		106	
24	1560.00	68,925	57		104	
25	1559.86	68,669	-256		102	
26	1559.81	68,578	-91		103	
27	1559.89	68,723	145		123	
28	1559.56	68,126	-597		155	
29	1559.62	68,235	109		106	
30	1559.64	68,271	36		106	
31	1559.48	67,982	-289		106	
Total			-1,673	3,634	3,489	-1,818

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

August 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		No.			Table A	Rec.	Pool A	Local	Article 56C	Other	
	No.	Structure	Mile									
17E	40	Edmonston Pumping Plant	293.45		177,152							
	41		298.65	KCWA Tej.-Cas	Stub							
17F		Check No. 41	303.41									
18A	42		304.99	AVEK WA-Temp for TEA construction (T389)	0							
		Check No. 42	304.99									
19	43	Alamo Powerplant	305.73	(Includes 87,113 AF generation, 0 AF plant bypass, and 35,307 AF Tehachapi Bypass)	122,420							
			306.71	AVEK 305th Street West (T287)	1,204							
			308.05	AVEK 294th Street West (T267)	178							
		Check No. 43	309.70									
	44		311.84	LADWP Connection	0							
			313.50	AVEK 245th Street West (T269)	0							
		Check No. 44	314.81									
	45		314.93	AVEK 235th Street West (T270)	0							
			315.57	AVEK 225th Street West (T271)	0							
		Check No. 45	319.74									
20A	46		323.19	Antelope Valley-East Kern WA Fairmont (T272)	5,140							
				Mojave Water Agency Fairmont (T272)	170							
		Check No. 46	323.84									
				Reach 19 Total:	6,692							
		Check No. 47	326.77									
	48		326.91	Antelope Valley-East Kern WA Willow Springs (T273)	53							
			329.65	Antelope Valley-East Kern WA 120th Street West	Re-moved							
		Check No. 48	330.82									
20B	49	Check No. 49	335.93									
	50		336.73	Antelope Valley-East Kern WA Quartz Hill (T274)	4,811							
			339.68	Antelope Valley-East Kern WA Rancho Vista (T275)	243							
		340.92	AVEK WA-Temp (T387)	0								
		Check No. 50	341.51									
	51		342.06	AVEK WA-Temp (T386)	0							
		Check No. 51	342.07									
	52		342.95	Antelope Valley-East Kern WA 30th Street West (T414)	0							
	53	Check No. 52	343.74									
			346.98	Palmdale WD (T276) Temp.	918							
			348.14	Antelope Valley-East Kern WA Acton Treatment Plant (T277)	124							
21	57	Check No. 53	348.17									
			349.52	Palmdale WD (T394)	0							
		Check No. 54	350.25									
	55	Check No. 55	352.70									
	56	Check No. 56	354.76									
	58		354.97	AVEK WA-Delivered through Littlerock Creek ID (T278)	0							
			354.97	Palmdale WD (T276)	0							
		Check No. 57	354.97	Palmdale WD (T391)	0							
22A	58		356.93									
			357.60	AVEK 95th Street East (T279)	0							
			357.72	AVEK 96th Street East (T280)	0							
			359.76	AVEK East Side Treatment Plant (T281)	344							

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

August 2011

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries						
	Beginning and Ending				Table A	Rec.	Pool A	Local	Article 56C	Other	
	No.	Structure	Mile								
22B	58	Pearblossom Pumping Plant	360.61		118,801	2/ 1,410	2/ 3,011	10	124	1/ 0	
	59	Check No. 59	366.09								
	60		366.50	AVEK Big Rock Siphon (T368)	0						
		Check No. 60	373.94								
	61	Check No. 61	379.00								
	62	Check No. 62	384.26								
	63		389.20	Mojave Water Agency White Road 24" & 42" (T282)	1,410						
	64	Check No. 64	395.10								
	65	Check No. 65	400.32								
	66		401.10	Mojave Water Agency Morongo 24" & 42" (T284)	3,011						
23		Check No. 66	403.41								
		Mojave Siphon	405.58	Las Flores Ranch Exchange	0						
24		Mojave Siphon Powerplant	405.65		0	10	10	124	124	1/ 0	
				MWA CS DAM (T288)	0						
			407.65	California State Park Silverwood (T288)	10						
		Silverwood Lake		Crestline-Lake Arrowhead WA State Project Water (T289)	0						
			407.70	Non-Project Water (T289)	124						
25		San Bernardino Intake Tunnel			109,600						
		Devil Canyon Powerplant	412.73		109,600						
26A	68	Devil Canyon Afterbay Control Structures	412.88	MWD-Rialto (T292)	0	36,154	13,682	6,133	13,553	3/ 6,489	
				MWD-Rialto (T293)	36,154						
				MWD-Rialto (T294)	13,682						
				Desert Water Agency Transfer (T293)	6,133						
				Coachella Valley WD Transfer (T293)	13,553						
				MWD EBX-1 (T290)	0						
				MWD EBX-1 (T291)	0						
				East Branch Extension	6,489						
				MWD (T294)	0						
28G	69	Santa Ana Valley Pipeline	425.46			8,713	22,344	125	73	0	
28H			433.06	MWD-SC Box Springs (T295)	8,713						
			440.05	MWD-SC Perris Bypass Pipeline (T296)	22,344						
28J	69	Lake Perris	442.00	MWD-SC (T297)	125	3,291	73	0	0	0	
				MWD-SC 54" & 78" (T299)	3,291						
			443.44	Calif. State Park Lake Perris Parks & Rec. (T298)	73						
				MWD Total:	125,339	125,339	0	0	0	0	

1/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow.

2/ MWD provided SWP water supplies to MWA for groundwater storage in the Mojave River Basin.

3/ Includes 3,430 to San Gabriel Valley MWD, 2,088 AF to San Bernardino Valley MWD, and 971 AF to San Gorgonio Pass WA.

Table 32. Water Quality At Selected SWP Locations

August 2011

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct					
					Banks Pumping Plant	O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	Devil Canyon Headworks
Alkalinity	mg/l as CaCO ₃	34	90	52	52	55	58	57	56	51
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.002	0.001	0.001	0.001	0.001	0.002	0.002	0.002
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Bromide	mg/l	<0.01	0.03	0.08	0.06	0.09	0.13	0.11	0.10	0.08
Calcium	mg/l	7	15	15	11	13	15	15	15	14
Chloride	mg/l as C	<1	15	44	20	30	38	35	37	30
Chromium	mg/l as C	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper	mg/l	<0.001	0	0	0	0	0	0	0	0
Fluoride	mg/l	NR	NR	NR	NR	NR	NR	NR	NR	NR
Hardness	mg/l	31.000	85.000	68.000	52.000	72.000	70.000	74.000	72.000	65.000
Iron	mg/l	0	0	0	0	0	0	0	0	0.0
Lead	mg/l as CaCO ₃	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	3.000	12.000	8.000	6.000	7.000	8.000	8.000	8.000	7.000
Manganese	mg/l	<0.005	0.019	<0.005	0.013	<0.005	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l	<0.01	0	1	0	0	0	0	0	0
Organic Carbon, Dissolved	mg/l	NR	3.700	3.100	2.300	2.400	2.400	2.500	2.900	2.400
Organic Carbon, Total	mg/l as N	NR	3.70	3.20	2.50	2.40	2.50	2.60	3.00	2.50
Phosphate-Ortho	mg/l as P	<0.01	0.15	0.06	0.04	0.06	0.06	NR	0.08	0.06
Phosphorus-Total	mg/l	0.01	0.23	0.07	0.08	0.08	0.07	0.07	0.11	0.08
Selenium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sodium	mg/l	3	21	25	17	24	29	29	31	27
Specific Conductance	µS/cm	73	257	306	205	257	291	286	296	252
Sulfate	mg/l	1	15	19	14	20	23	22	23	20
Total Dissolved Solids	mg/l	44	141	169	120	184	161	158	164	140
Turbidity	NTU	3	2	18	<1	4	5	6	8	2
Zinc	mg/l	<0.005	<0.005	0	<0.005	<0.005	<0.005	0	<0.005	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

August 2011

Date	Antioch Tides (feet above mean sea level)		Flow In CFS				Electrical Conductivity in millisiemens/cm								Cl in mg/l	
			Net Delta Outflow Index		Rio Vista	Antioch	Chipps Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal		
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	md	
38	1	6.57	4.49	6,393	6,393	8,646	0.58	3.05	0.20	0.15	0.17	0.14	0.18	0.49	0.26	20
	2	6.17	4.42	6,751	6,572	8,936	0.58	2.86	0.19	0.16	0.17	0.14	0.18	0.50	0.27	20
	3	6.08	4.43	7,121	6,755	9,054	0.62	3.01	0.19	0.16	0.18	0.15	0.20	0.52	0.27	21
	4	6.13	4.30	7,957	7,055	9,017	0.60	2.84	0.18	0.17	0.18	0.15	0.19	0.58	0.26	21
	5	6.23	4.10	8,060	7,256	8,911	0.56	2.33	0.19	0.17	0.18	0.16	0.20	0.61	0.25	21
	6	6.42	4.29	8,257	7,423	9,161	0.62	2.75	0.20	0.17	0.20	0.16	0.20	0.57	0.23	21
	7	6.46	4.35	8,034	7,510	8,859	0.64	2.87	0.19	0.18	0.21	0.17	0.21	0.51	0.23	21
	8	6.53	4.38	8,091	7,583	9,039	0.66	2.94	0.20	0.18	0.21	0.17	0.21	0.57	0.23	21
	9	6.62	4.45	8,898	7,729	9,489	0.69	3.06	0.21	0.19	0.22	0.18	0.21	0.58	0.23	21
	10	6.67	4.60	7,860	7,742	8,973	0.77	3.53	0.23	0.19	0.24	0.18	0.21	0.56	0.22	21
	11	6.75	4.58	6,452	7,625	8,027	0.88	4.14	0.26	0.20	0.25	0.19	0.21	0.56	0.22	25
	12	6.59	4.45	6,586	7,538	8,172	0.82	3.65	0.23	0.21	0.25	0.20	0.20	0.00	0.23	34
	13	6.47	4.45	8,016	7,575	9,248	0.81	3.62	0.22	0.21	0.25	0.20	0.21	0.00	0.23	131
	14	6.25	4.34	7,824	7,593	9,123	0.79	3.57	0.21	0.21	0.25	0.21	0.20	0.00	0.22	131
	15	5.98	4.26	8,207	7,634	9,143	0.76	3.27	0.20	0.21	0.24	0.22	0.21	0.00	0.22	228
	16	5.73	4.19	8,534	7,690	9,610	0.73	3.12	0.19	0.21	0.25	0.22	0.21	0.00	0.22	237
	17	5.61	4.19	8,093	7,714	9,470	0.70	3.09	0.18	0.21	0.24	0.23	0.21	0.00	0.22	235
	18	5.76	4.14	7,951	7,727	9,462	0.67	3.03	0.18	0.21	0.25	0.23	0.20	0.59	0.23	198
	19	5.98	4.22	7,862	7,734	9,342	0.72	3.27	0.19	0.21	0.26	0.24	0.21	0.61	0.25	99
	20	6.06	4.32	8,097	7,752	9,308	0.74	3.43	0.19	0.21	0.27	0.24	0.21	0.59	0.23	99
	21	6.05	4.31	7,995	7,764	9,247	0.69	3.36	0.18	0.21	0.27	0.25	0.21	0.55	0.23	99
	22	6.07	4.31	8,979	7,819	9,736	0.66	2.99	0.18	0.20	0.26	0.25	0.21	0.57	0.23	22
	23	6.22	4.35	9,519	7,893	10,063	0.69	2.77	0.19	0.20	0.26	0.25	0.21	0.57	0.24	19
	24	6.41	4.44	9,737	7,970	10,248	0.74	3.49	0.21	0.20	0.27	0.25	0.21	0.53	0.23	19
	25	6.37	4.43	10,026	8,052	10,414	0.79	4.12	0.22	0.20	0.27	0.26	0.21	0.50	0.22	19
	26	6.49	4.41	11,235	8,174	10,873	0.77	3.99	0.22	0.20	0.27	0.26	0.22	0.48	0.23	21
	27	6.47	4.34	11,702	8,305	10,961	0.74	3.74	0.22	0.20	0.26	0.26	0.22	0.45	0.22	21
	28	6.38	4.32	12,706	8,462	11,513	0.71	3.54	0.20	0.20	0.25	0.26	0.21	0.42	0.21	21
	29	6.29	4.37	13,490	8,635	11,852	0.69	3.44	0.19	0.20	0.24	0.26	0.21	0.46	0.21	21
	30	6.07	4.39	13,889	8,811	11,925	0.66	3.24	0.19	0.20	0.24	0.26	0.21	0.51	0.21	21
	31	6.3	4.50	13,073	8,948	11,873	0.66	3.22	0.19	0.20	0.24	0.26	0.21	0.49	0.22	21

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

N.C. = Not computed due to insufficient data.

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

August 2011

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	June 15, 2011	Metolachlor	0.30
California Aqueduct At Banks Pumping Plant	June 15, 2011	Metolachlor	0.10
O'Niell Forebay Outlet Check 13	June 14, 2011	Simazine	0.07
Delta Mendota Canal At McCabe Road	June 14, 2011	Chlorpyrifos	0.05
California Aqueduct Near Kettleman City (Check 21)	June 14, 2011	Metolachlor	0.10
California Aqueduct At Near Highway 119 (Check 29)	June 14, 2011	Metolachlor	0.10
California Aqueduct at Tehachapi Afterbay (Check 41)	June 14, 2011	Metolachlor	0.10
California Aqueduct At Devil Canyon Headworks	June 15, 2011	Simazine	0.02

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load	August 2011
	Generation	Load			Total Load	SWP Load			
1	4,790,588	0	43,617	47,305	3,958,384	3,958,384	446,430	605	
2	4,151,191	0	40,068	44,373	4,099,264	4,099,264	446,372	602	
3	2,626,294	0	41,524	45,517	4,053,936	4,053,936	447,284	558	
4	2,848,967	0	42,976	45,000	4,130,912	4,130,912	432,594	634	
5	3,717,351	0	36,424	42,199	4,221,432	4,221,432	454,174	663	
6	4,581,544	0	37,854	44,133	3,871,936	3,871,936	421,387	611	
7	4,566,507	0	37,749	38,894	3,925,848	3,925,848	430,133	651	
8	3,796,639	0	43,045	45,178	4,112,848	4,112,848	440,863	638	
9	4,596,405	0	43,005	43,923	3,906,424	3,906,424	456,557	604	
10	4,586,945	0	43,902	47,160	3,905,672	3,905,672	431,819	579	
11	4,683,074	0	41,138	43,058	3,908,128	3,908,128	450,511	620	
12	4,682,788	0	37,399	44,630	3,908,272	3,908,272	451,072	628	
13	4,685,021	0	35,483	42,455	3,908,120	3,908,120	443,424	604	
14	4,683,525	0	42,707	47,511	3,906,048	3,906,048	432,839	590	
15	4,684,735	0	35,970	41,715	3,904,240	3,904,240	427,550	551	
16	4,477,814	0	36,081	42,031	3,915,168	3,915,168	413,354	567	
17	4,797,067	0	41,817	46,475	3,922,520	3,922,520	448,083	555	
18	4,860,625	0	38,278	39,437	3,937,840	3,937,840	428,641	580	
19	4,680,676	0	34,253	31,991	3,923,216	3,923,216	450,232	678	
20	5,008,322	0	28,421	27,686	3,882,824	3,882,824	445,179	761	
21	5,035,712	0	36,278	42,211	3,919,240	3,919,240	432,941	656	
22	5,027,429	0	37,219	44,636	3,939,016	3,939,016	436,629	656	
23	4,520,076	0	41,948	48,279	4,058,832	4,058,832	457,380	584	
24	5,007,299	0	46,552	47,812	3,995,384	3,995,384	456,525	504	
25	4,842,321	0	41,718	50,895	3,924,152	3,924,152	453,618	549	
26	5,007,277	0	42,128	51,691	3,903,200	3,903,200	452,308	602	
27	5,023,744	0	39,513	46,514	3,895,376	3,895,376	436,784	549	
28	5,026,725	0	45,192	51,709	3,890,328	3,890,328	443,078	489	
29	5,015,648	0	41,001	46,164	3,877,640	3,877,640	439,809	356	
30	5,005,847	0	38,476	44,511	3,875,616	3,875,616	440,721	447	
31	5,277,503	0	34,856	40,305	3,908,832	3,908,832	423,551	529	
Total	142,295,659	0	1,226,593	1,365,397	122,490,648	122,490,648	13,671,835	18,196	

Table 36. San Luis Field Division Energy Data

(in kWh)

August 2011

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	2,583,630	1,567,630	1,979,329	-36,671	0	0
2	2,852,750	1,836,750	1,955,998	1,955,998	0	0
3	2,816,370	1,800,370	1,170,510	162,510	0	0
4	2,971,053	1,955,053	968,902	-39,098	0	0
5	2,993,058	2,185,058	973,709	13,709	0	0
6	2,858,182	2,050,182	1,965,062	1,005,062	0	0
7	2,742,233	1,926,233	1,950,157	1,950,157	0	0
8	2,783,581	1,975,581	1,929,741	9,741	0	0
9	2,716,967	1,908,967	2,497,407	1,537,407	0	0
10	2,845,319	2,037,319	272,778	272,778	14,366	14,366
11	2,863,091	2,055,091	1,308,703	1,308,703	5,027	5,027
12	2,819,059	2,011,059	1,896,499	1,176,499	0	0
13	2,710,341	1,902,341	1,876,963	916,963	187	187
14	2,525,229	1,709,229	0	0	18,689	18,689
15	2,389,365	1,581,365	1,420,254	52,254	4,389	4,389
16	2,615,409	1,807,409	1,872,112	120,112	0	0
17	2,692,267	1,884,267	923,384	923,384	0	0
18	2,950,382	2,142,382	1,629,716	333,716	0	0
19	2,732,108	1,924,108	924,099	-35,901	0	0
20	2,842,150	2,034,150	1,630,431	22,431	0	0
21	2,583,862	1,767,862	922,867	-37,133	0	0
22	2,164,072	1,356,072	1,495,472	-4,528	0	0
23	2,431,075	1,623,075	918,555	-41,445	0	0
24	2,545,717	1,945,717	902,187	218,187	0	0
25	2,602,082	2,002,082	903,793	-8,207	0	0
26	2,626,501	2,026,501	907,291	451,291	0	0
27	2,642,809	2,042,809	904,970	-7,030	0	0
28	2,647,852	2,023,852	1,481,348	569,348	0	0
29	2,348,784	1,748,784	1,805,881	893,881	0	0
30	2,755,199	2,155,199	1,780,471	1,324,471	0	0
31	2,716,767	2,116,767	874,753	-37,247	176	176
Total	83,367,263	59,103,263	42,043,342	14,971,342	42,834	42,834

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Plant Energy Load Data

(in kWh)

August 2011

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	32,997	80,285	62,313	57,731	61,793	1,590,811	1,649,110	3,593,249	13,136,013
2	43,588	108,661	64,258	58,950	63,584	1,558,069	1,544,841	3,332,472	12,131,802
3	52,926	126,745	56,328	52,066	55,965	1,456,495	1,475,847	3,153,755	11,399,589
4	51,383	123,419	58,009	53,322	58,086	1,390,127	1,341,664	2,872,419	10,317,834
5	33,915	83,912	52,487	50,490	55,200	1,850,755	1,768,797	3,813,348	13,864,581
6	45,494	115,516	56,659	51,568	56,174	1,834,909	1,871,266	4,103,044	14,955,327
7	45,299	111,555	56,044	52,452	57,060	1,830,341	1,948,351	4,331,239	16,088,976
8	48,096	121,956	54,566	51,069	54,697	1,579,527	1,604,030	3,501,905	12,836,907
9	53,216	132,973	59,857	57,399	63,201	1,685,968	1,715,488	3,699,157	13,371,264
10	53,209	129,013	66,911	61,261	64,663	1,680,732	1,652,422	3,585,010	12,950,469
11	58,285	143,644	75,939	71,048	77,579	1,680,604	1,688,476	3,663,209	13,295,124
12	58,974	146,879	64,151	59,126	63,739	1,721,587	1,675,458	3,590,114	13,224,006
13	54,922	137,105	57,975	54,515	61,445	1,866,715	1,835,168	4,015,946	14,640,021
14	53,171	130,169	84,931	80,158	81,928	1,774,942	1,847,561	4,067,085	14,910,885
15	45,542	114,724	64,215	60,660	66,248	1,548,733	1,634,580	3,571,502	13,118,166
16	51,060	125,449	64,057	59,448	63,839	1,510,376	1,496,660	3,310,164	11,975,742
17	54,499	134,715	78,802	74,181	79,162	1,638,842	1,635,118	3,565,397	12,941,505
18	51,446	125,735	66,047	61,837	65,887	1,620,146	1,616,447	3,511,640	12,833,235
19	46,365	114,649	55,155	50,441	55,092	1,416,395	1,317,960	2,857,151	10,329,066
20	42,780	106,569	87,755	83,187	87,196	1,728,905	1,716,183	3,773,979	13,764,897
21	37,414	94,863	72,330	68,088	72,106	1,752,442	1,782,041	3,939,705	14,508,612
22	38,472	99,579	69,589	64,824	70,511	1,311,637	1,322,599	2,895,123	10,505,349
23	40,160	105,387	69,217	63,497	68,501	1,347,685	1,292,213	2,813,415	10,249,632
24	44,486	112,013	78,734	75,023	79,679	1,422,191	1,396,127	2,981,836	10,687,005
25	39,351	95,415	68,653	66,651	71,852	1,433,696	1,366,961	2,940,520	10,547,064
26	41,904	103,308	72,363	63,411	69,427	1,474,126	1,447,603	3,096,522	11,230,407
27	44,180	114,267	81,146	76,813	80,630	1,714,943	1,744,549	3,841,321	14,117,328
28	43,453	104,167	67,010	62,509	67,897	1,781,397	1,776,209	3,924,129	14,402,745
29	44,428	111,582	75,831	70,427	74,845	1,544,279	1,606,253	3,525,962	12,837,555
30	42,174	104,265	69,317	65,021	69,176	1,522,242	1,463,823	3,151,038	11,460,825
31	30,902	76,243	70,943	66,394	69,568	1,596,008	1,551,276	3,358,399	12,288,888
Total	1,424,091	3,534,760	2,081,594	1,943,567	2,086,729	49,865,627	49,785,082	108,379,755	394,920,819

Table 38. Southern Field Division Energy Data

(in kWh)

August 2011

Date	West Branch			East Branch				East Branch Extension		
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic SWP Gen /1	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Green spot Pumping Plant	Crafton Hills Pumping Plant	Cherry Valley Pumping Plant
1	349,524	875,553	1,488,000	307,646	2,784,822	4,546,649	313,295	47,271	50,200	4,373
2	353,525	874,576	1,488,000	301,451	2,702,759	4,731,401	294,020	46,969	50,215	4,351
3	271,179	872,408	1,488,000	297,550	2,253,018	4,617,180	267,742	47,098	50,172	4,304
4	176,740	867,794	1,488,000	313,168	2,301,583	4,520,048	286,779	47,433	50,158	4,271
5	425,888	868,010	1,488,000	307,284	2,505,024	4,537,706	292,516	50,970	50,059	4,240
6	449,016	868,998	1,488,000	307,111	2,606,477	4,504,104	279,433	52,491	49,815	4,218
7	651,353	869,935	1,488,000	305,866	2,776,303	4,462,960	317,823	51,962	49,600	4,223
8	389,059	865,307	1,488,000	308,582	2,776,928	4,505,911	316,891	49,231	49,546	4,265
9	289,523	864,324	1,488,000	314,428	2,774,267	4,313,819	308,642	39,103	49,505	4,261
10	345,578	863,476	1,488,000	310,742	2,774,159	4,250,765	309,209	35,450	49,504	4,207
11	311,810	862,037	1,488,000	329,498	2,578,718	4,336,488	304,465	35,652	49,661	4,174
12	349,713	861,570	1,488,000	315,044	2,746,133	4,187,959	300,556	36,265	49,985	4,193
13	504,792	861,721	1,488,000	331,576	2,740,625	4,296,953	303,789	36,114	50,029	4,242
14	471,818	863,295	1,488,000	309,564	2,745,674	4,146,602	302,133	37,742	50,091	4,276
15	353,581	864,602	1,488,000	308,447	2,745,038	4,237,762	299,181	37,066	49,728	1,642
16	239,591	456,940	744,000	308,696	2,744,369	4,051,325	297,201	36,396	49,586	1,810
17	350,429	874,041	1,488,000	311,420	2,730,864	4,114,037	294,847	36,171	49,556	4,247
18	377,557	849,015	1,488,000	309,341	2,743,735	4,106,855	295,889	36,386	49,565	4,468
19	332,468	887,309	1,488,000	285,228	2,127,399	4,228,279	243,616	36,094	49,460	4,413
20	337,875	933,935	1,488,000	328,972	2,621,635	4,203,288	288,354	35,683	49,410	4,270
21	556,802	935,634	1,488,000	308,964	2,740,794	4,148,935	276,967	35,794	49,421	4,248
22	340,492	880,027	1,416,000	324,860	2,084,172	3,831,181	0	36,094	49,496	4,340
23	248,220	947,400	1,416,000	326,933	1,982,867	3,579,750	0	36,023	49,601	4,383
24	375,814	953,562	1,416,000	328,258	1,928,145	3,667,849	0	36,007	49,616	4,390
25	331,783	941,501	1,416,000	325,172	2,022,607	3,688,574	0	35,936	49,667	4,432
26	417,428	927,156	1,416,000	315,361	2,094,617	4,196,650	97,872	36,908	50,120	4,480
27	501,719	911,228	1,416,000	315,383	2,625,059	4,144,601	300,428	38,776	50,315	4,472
28	520,785	914,180	1,416,000	307,712	2,736,266	4,186,793	306,258	39,193	50,303	4,489
29	332,915	922,693	1,488,000	307,684	2,735,789	4,235,245	298,896	38,269	50,220	4,483
30	278,523	920,808	1,488,000	308,229	2,452,829	4,073,072	260,564	41,108	54,395	4,382
31	387,013	921,135	1,488,000	307,800	2,439,315	4,154,904	288,319	23,674	29,279	4,342
Total	11,622,513	27,180,168	44,880,000	9,687,970	78,621,988	130,807,645	7,745,684	1,229,331	1,528,277	128,890

1/ Energy delivered to SWP by LADWP at Sylmar substation; not necessarily related to actual Castaic operations.